

Fig.1

Fig.2

10 20 30 40 50 60
GAUCGUUAGCUUCUCCUGAUAAACUAAUUGCCUCACAUUGUCACUGCAAUUCGACACCUA

70 80 90 100 110 120
UUAUUGGGUCUCACCUCCCAACUGCUUCCCCUCUGUUCUUCUCCUGCUAGCAUGUGCCGGC
GAGTGGAGGGTTGAC GAAGGGGGAGACAAG CG

70-84 85-99

130 140 150 160 170 180
AACUUUGUCCACGGACACAAGUGCGAUUACACCUUACAGGAGAUCAUCAAACUUUGAAC
TTGAAACAGGTGC CTGTGTTACGCTAT ACTTG

119-133 134-148

190 200 210 220 230 240
AGCCUCACAGAGCAGAAGACUCUGUGCACCAGUUGACCGUAAACAGACAUCUUUGCUGCC
TCGGAGTGTCTCGTCTTCTGAGACA

176-190 191-205

250 260 270 280 290 300
UCCAAGAACACAACUGAGAAGGAAACCUUCUGCAGGGCUGCGACUGUGCUCCGGCAGUUC
TGGAAGACGTCCCGACGCTGACACGAGGCC

265-279 280-294

310 320 330 340 350 360
UACAGCCACCAUGAGAAGGACACUCGCUGCCUGGGUGCGACUGCACAGCAGUUCCACAGG

370 380 390 400 410 420
CACAAGCAGCUGAUCCGAUUCUGAAACGGCUCGACAGGAACCUCUGGGGCCUGGCGGGC
GCTAAGGACTTTGCC GAGCTGTCCTTGGAG

376-390 391-405

430 440 450 460 470 480
UUGAAUUCUGUCCUGUGAAGGAAGCCAACCAGAGUACGUUGGAAAACUUCUUGGAAAGG

490 500 510 520 530 540
CUAAAGACGAUCAUGAGAGAGAAUAUUCAAAGUGUUCGAGCUGAAUAUUUUAAUUUAUG

550 560 570 580 590 600
AGUUUUUGAUAGCUUUUUUUUAAGUAUUUAUAUUUAUAACUCAUCAUAAAAUAAAG

610
UAUAUAUAGAAUCUAAAA

Fig.3

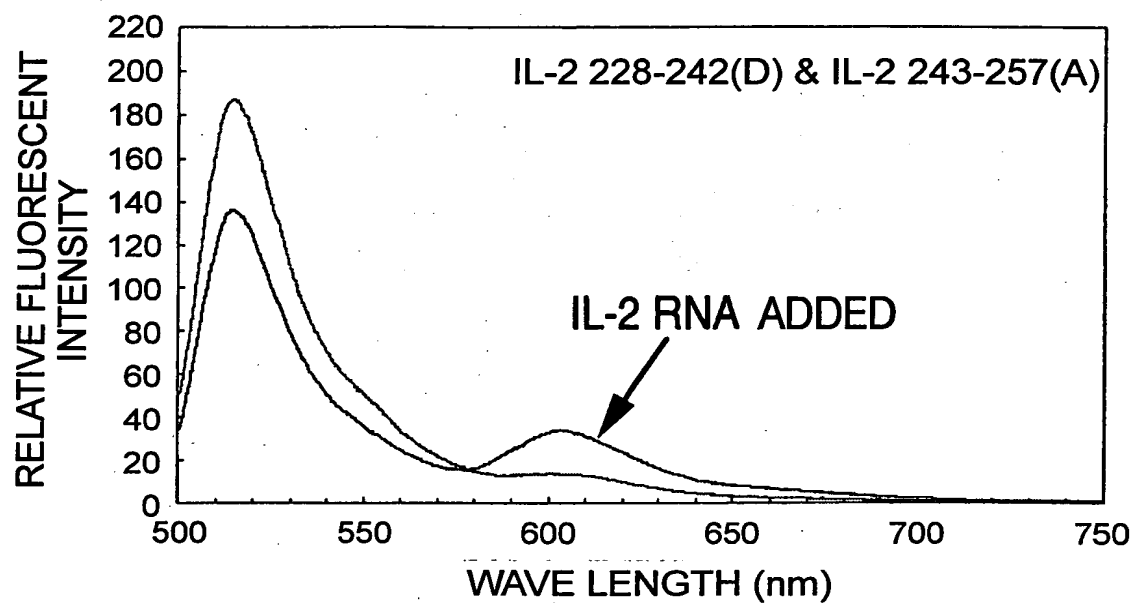


Fig.4

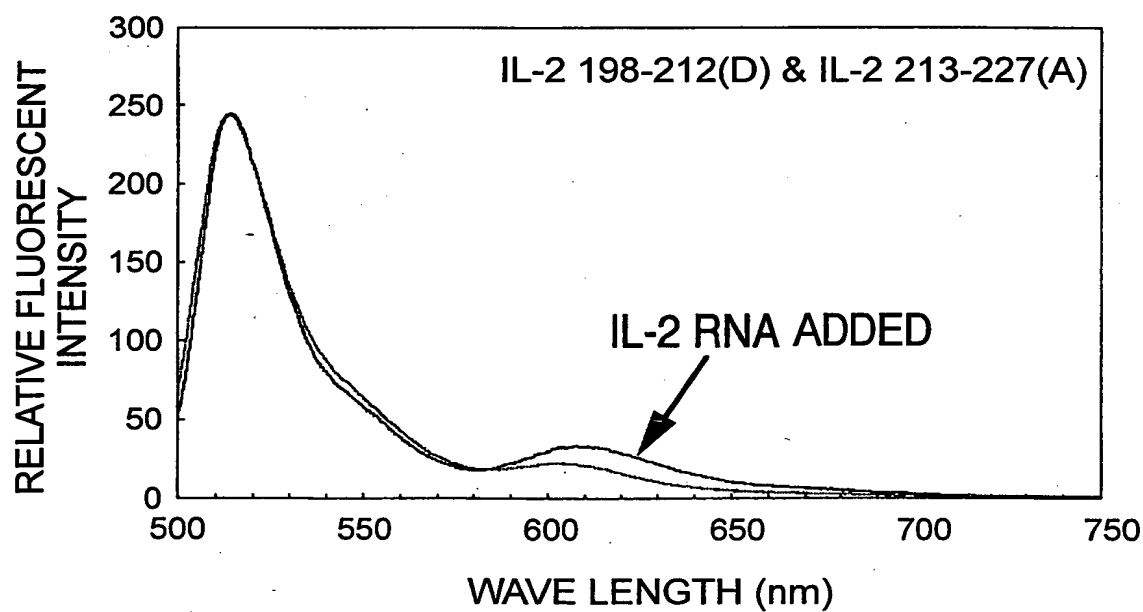


Fig.5

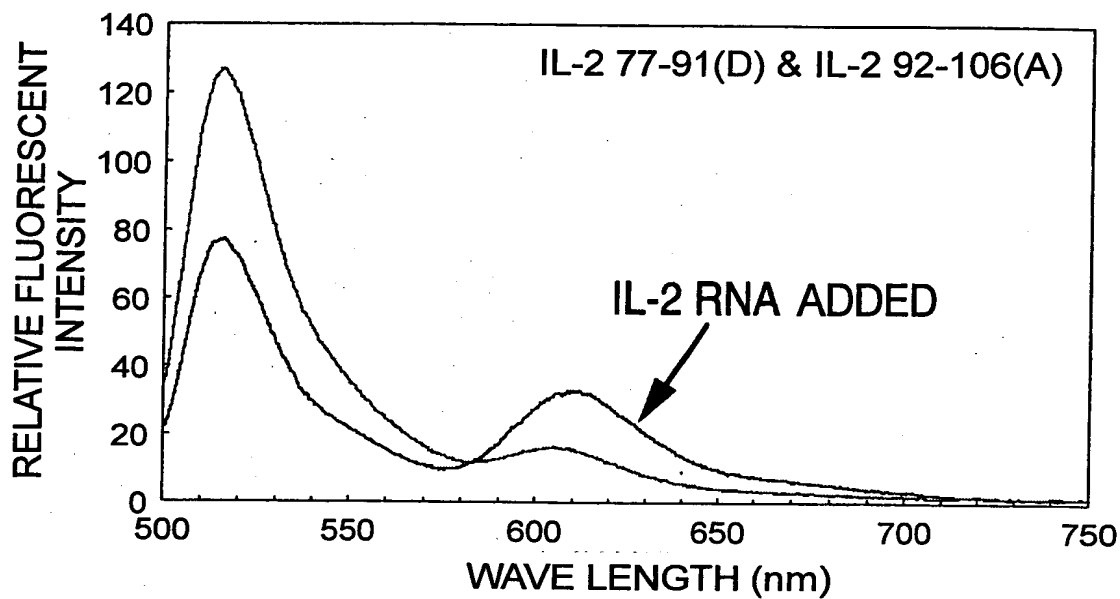


Fig.6

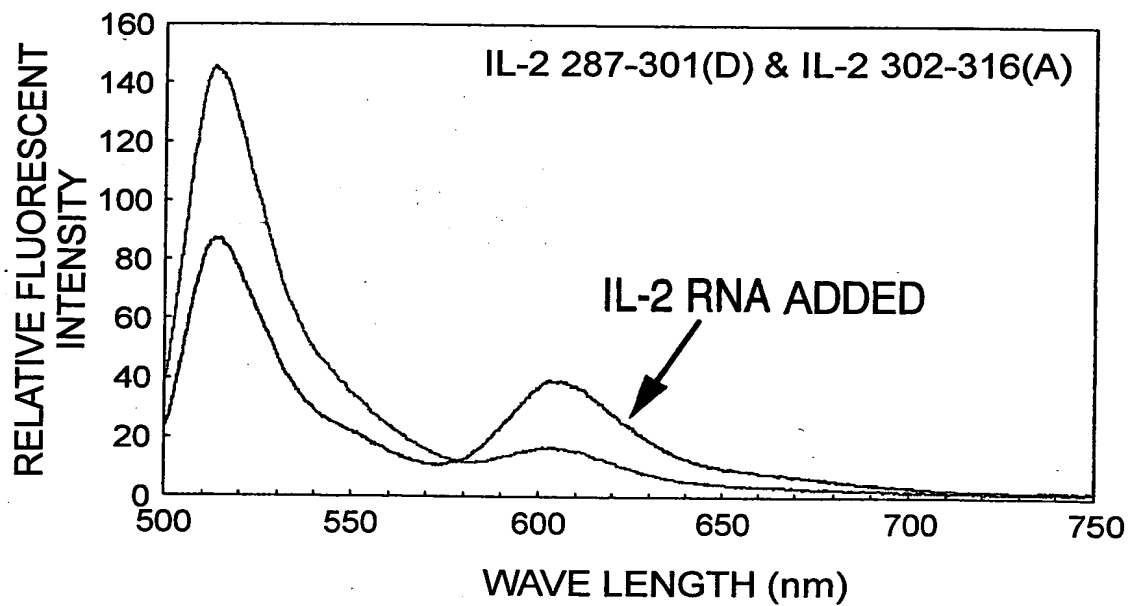


Fig.7

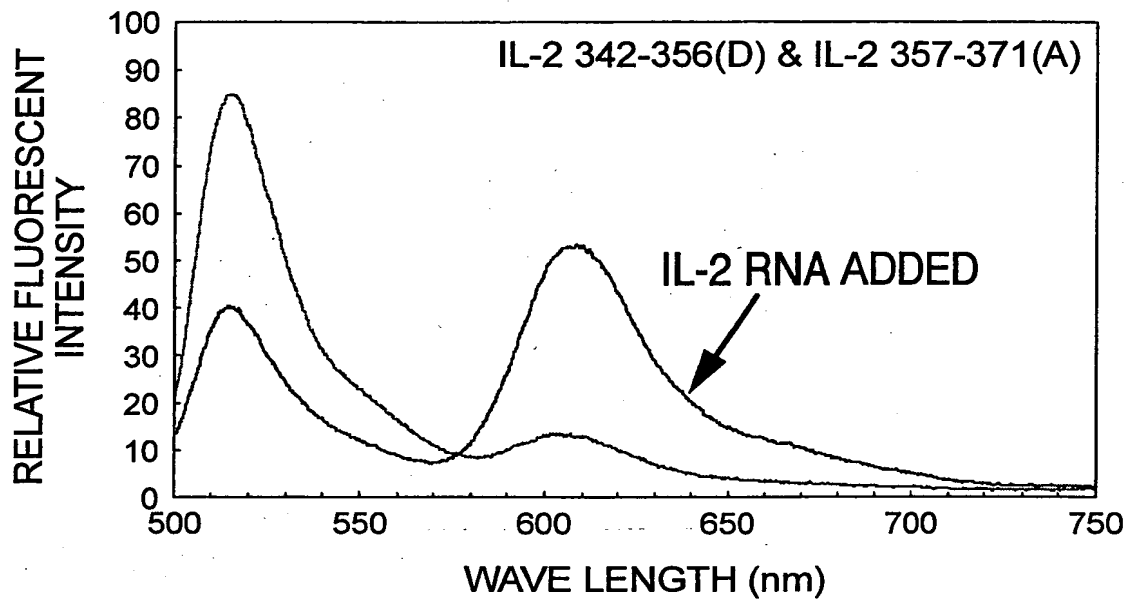


Fig.8

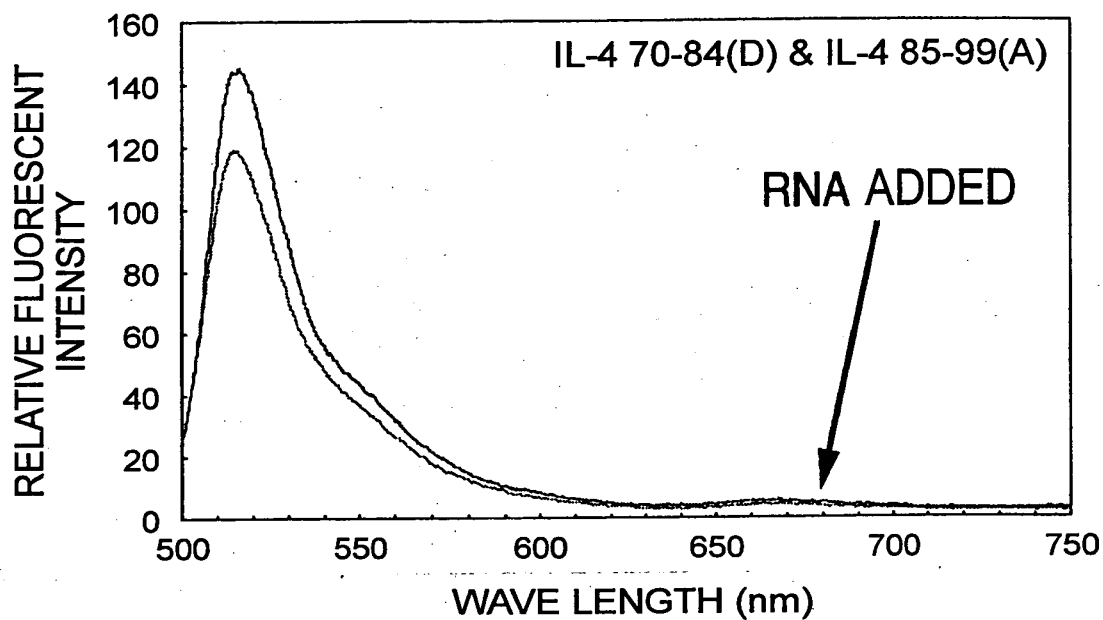


Fig.9

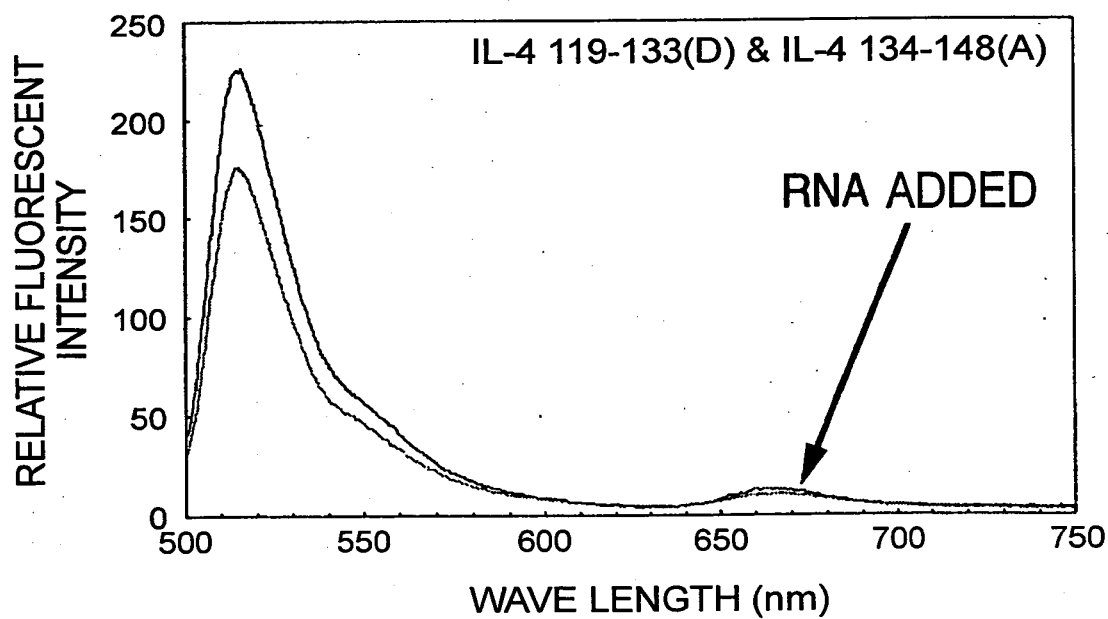


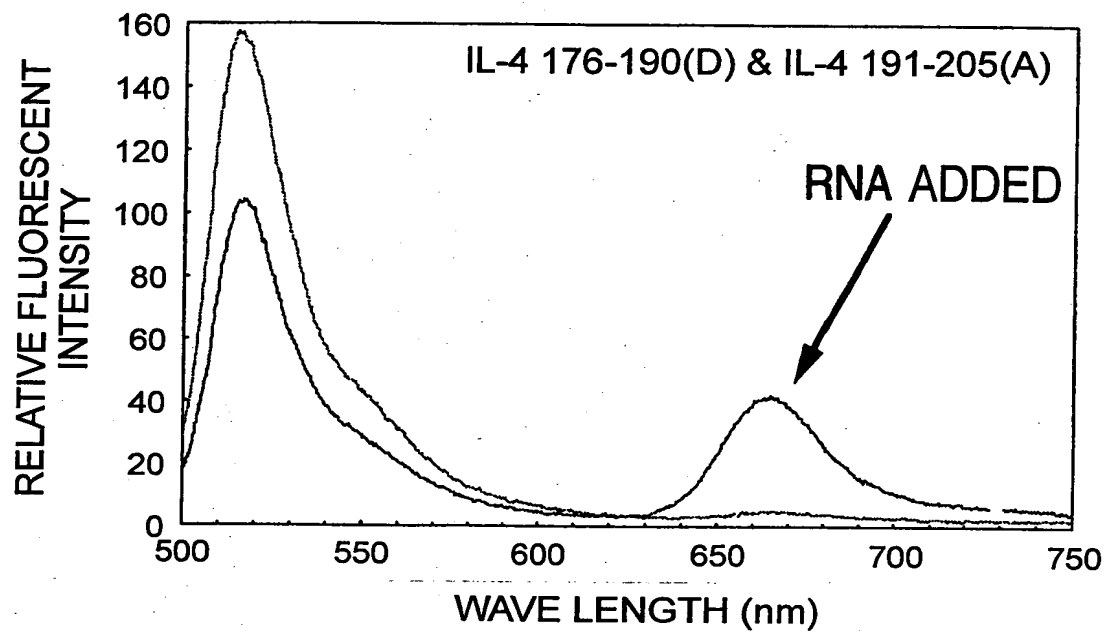
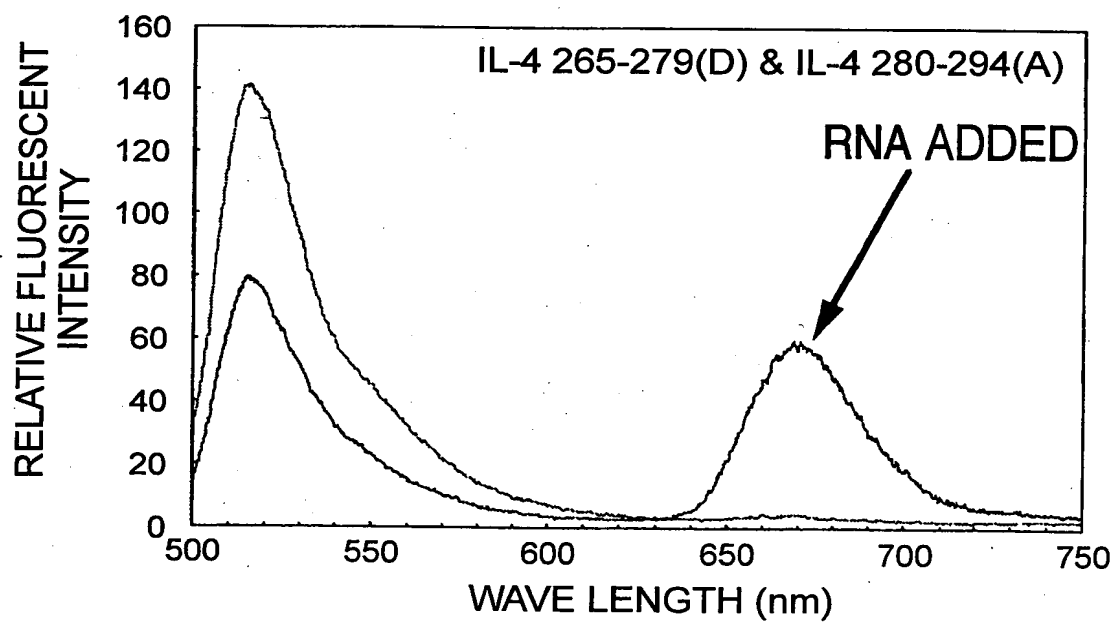
Fig.10**Fig.11**

Fig.12

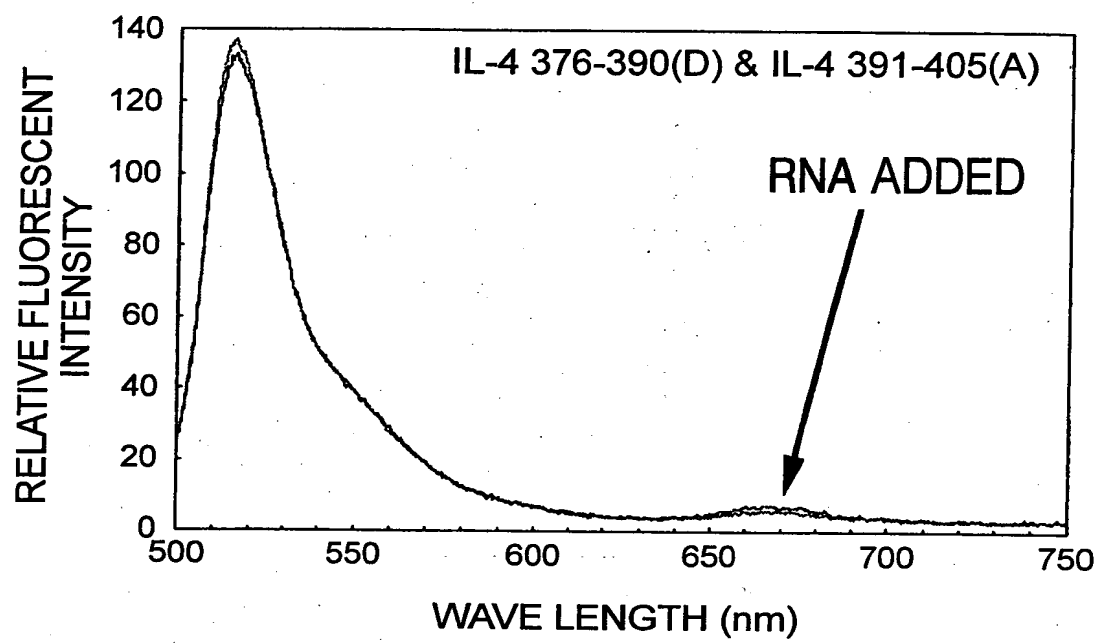


Fig.13

IL-2 342-356

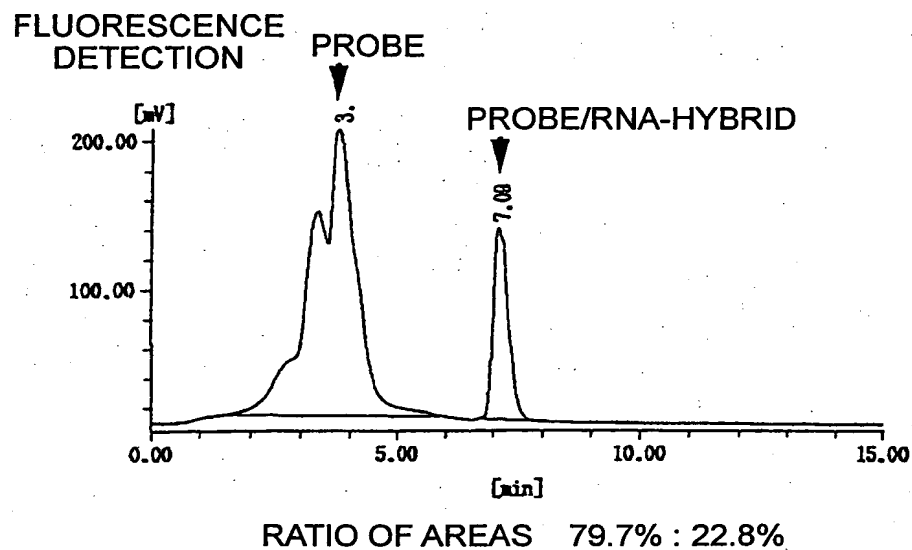


Fig.14

IL-2 357-371

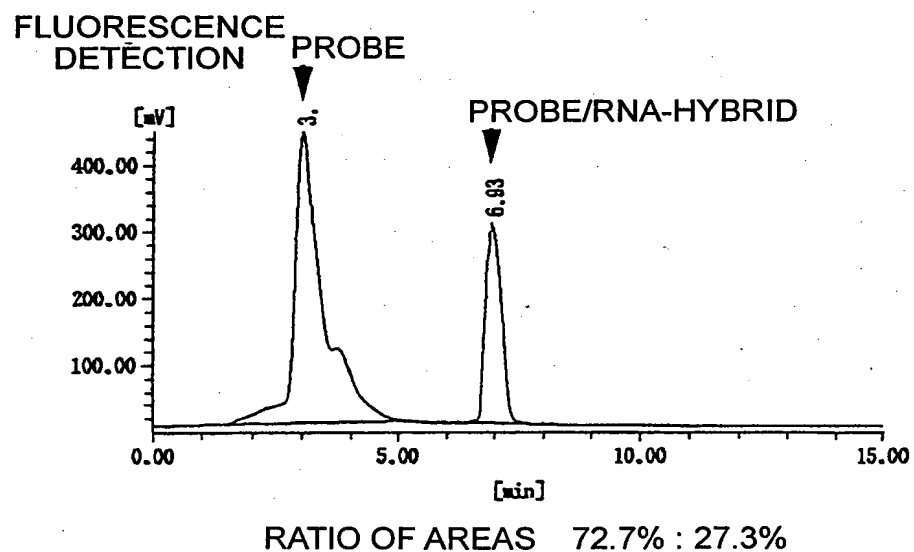


Fig.15

IL-4 119-133

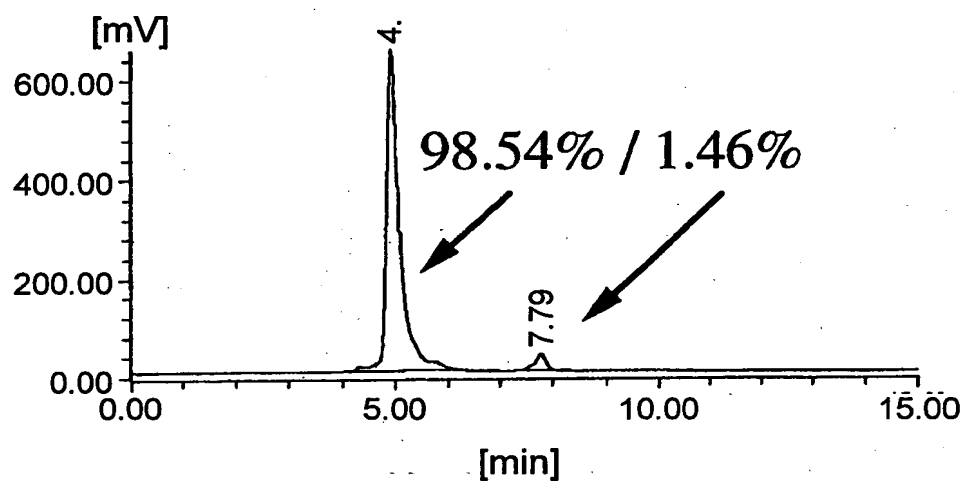


Fig.16

IL-4 134-148

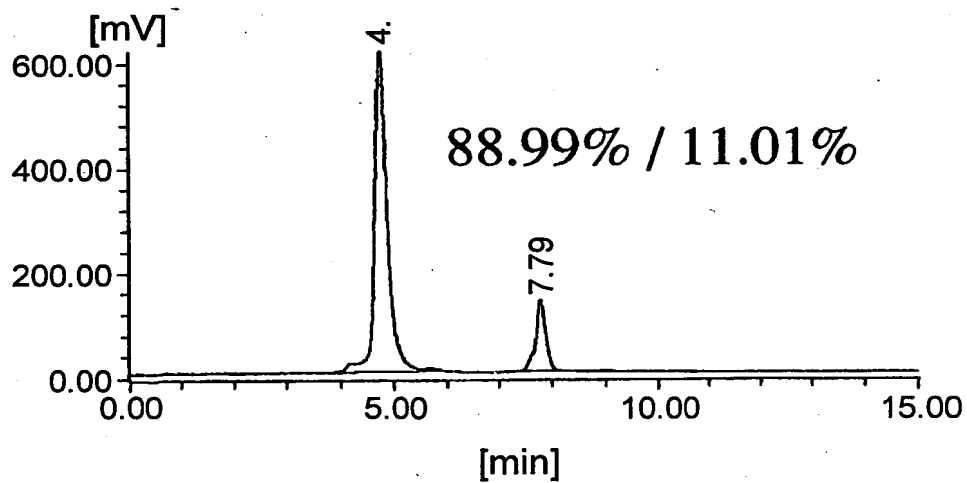


Fig.17

IL-4 265-279

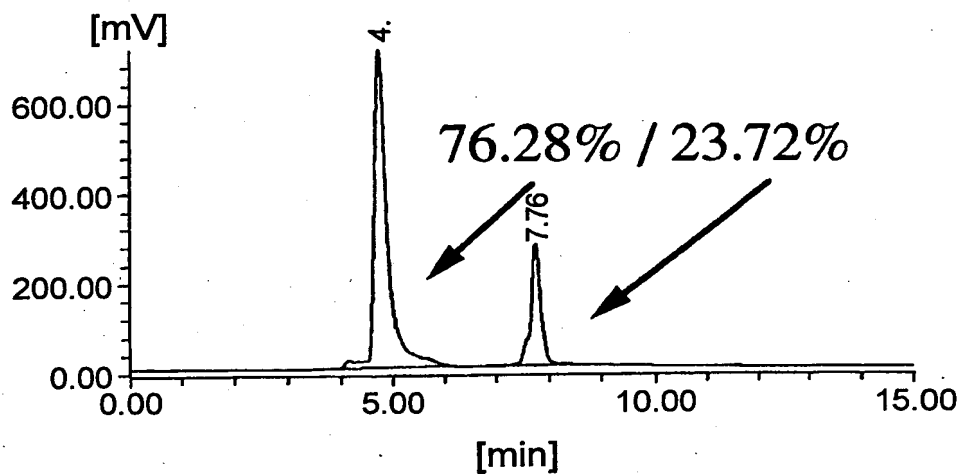


Fig.18

IL-4 280-294

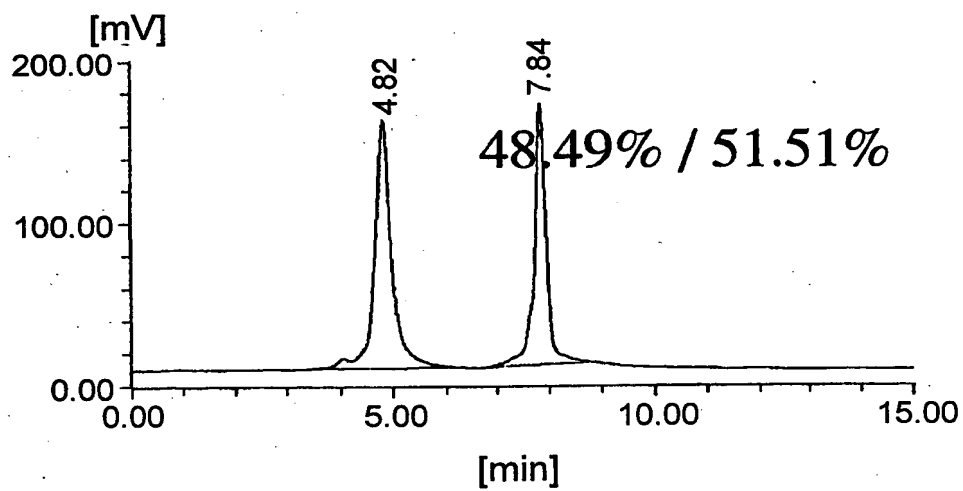
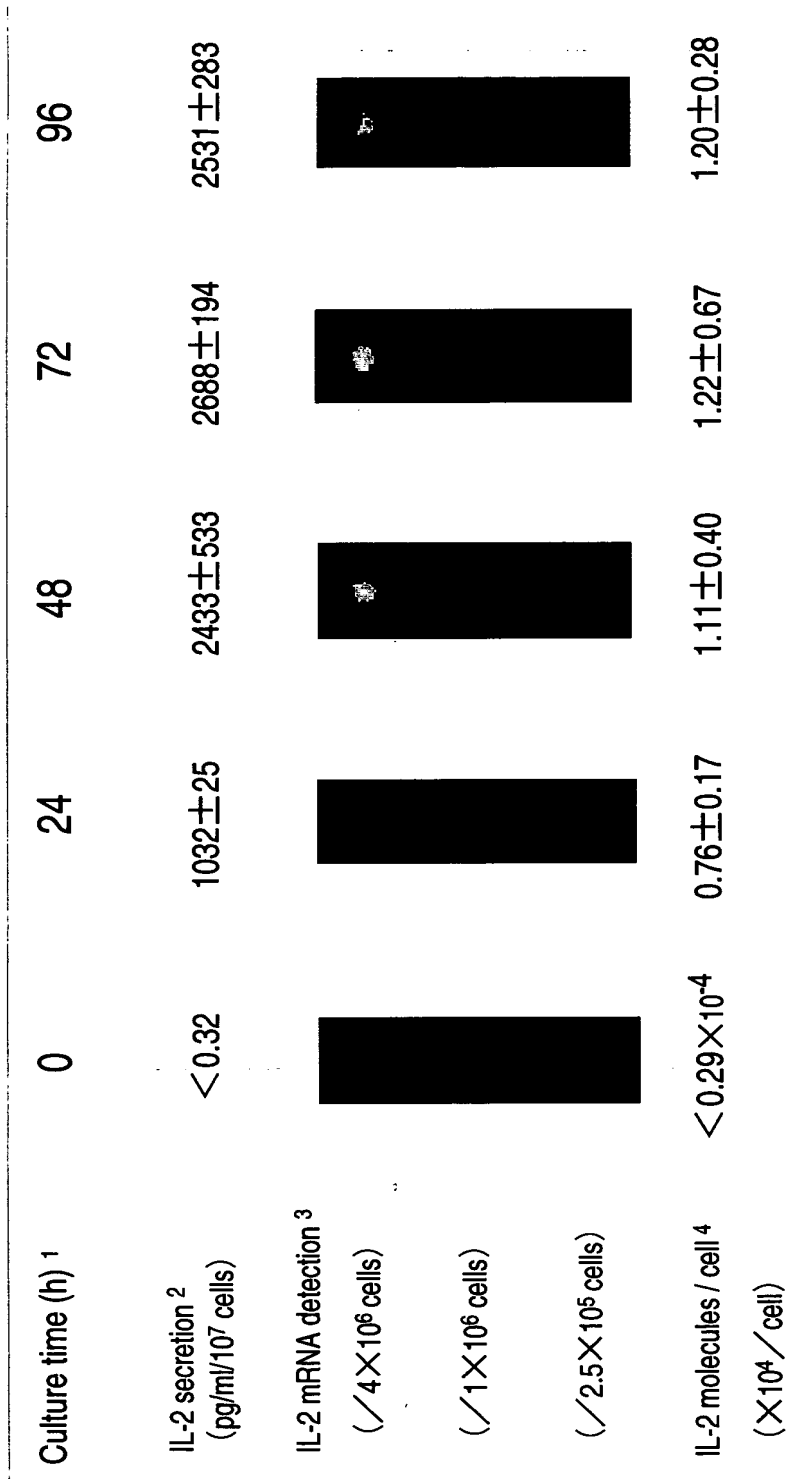


Fig.19



¹ Time after adding 10 nM PMA, 0.5 mg/ml anti-human CD3 antibody and anti-human CD28 antibody to cultured Jurkat E6-1 cells

² The concentration of IL-2 in the culture supernatants measured by ELISA using anti-human IL-2 antibody

^{3, 4} Determination of cellular IL-2 expression level by dot blotting using RNA probe complementary to human IL-2 mRNA

Fig.20

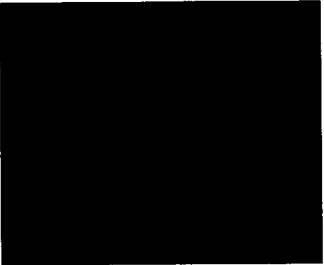
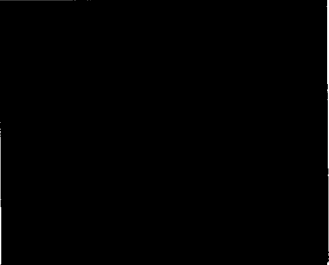


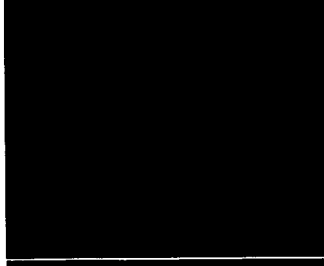
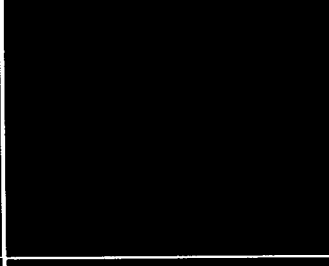


DIG-11-dUTP & Reverse transcriptase	Oligonucleotide	IL-2 expression	
		(+)	(-)
none	none		
none	none		
added	oligo dA		
added	oligo dT		

Fig.21

PROBE	IL-2 EXPRESSION			
	(+)		(-)	
IL-2 228-242(D)				
IL-2 243-257(A)				
IL-2 198-212(D)				
IL-2 213-227(A)				
IL-2 77-91(D)				
IL-2 92-106(A)				
IL-2 287-301(D)				
IL-2 302-316(A)				
IL-2 342-356(D)				
IL-2 357-371(A)				
NONE				

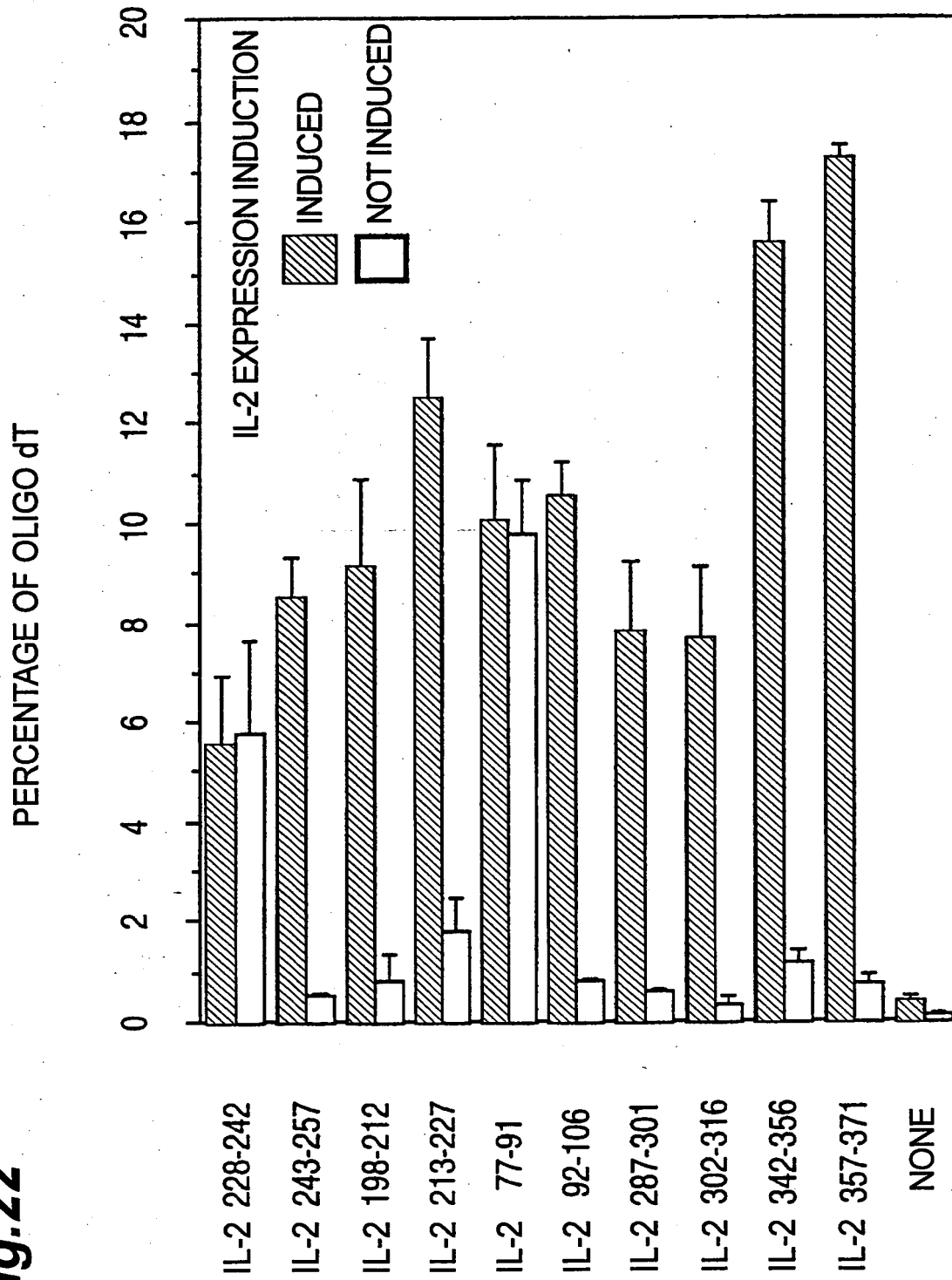
Fig.22

Fig.23

PROBE	IL-2 EXPRESSION					
	(+)			(-)		
	D/A	A/A	D/D	D/A	A/A	D/D
IL-2 228-242(D) & IL-2 243-257(A)						
IL-2 198-212(D) & IL-2 213-227(A)						
IL-2 77-91(D) & IL-2 92-106(A)						
IL-2 287-301(D) & IL-2 302-316(A)						
IL-2 342-356(D) & IL-2 357-371(A)						
NONE & NONE						

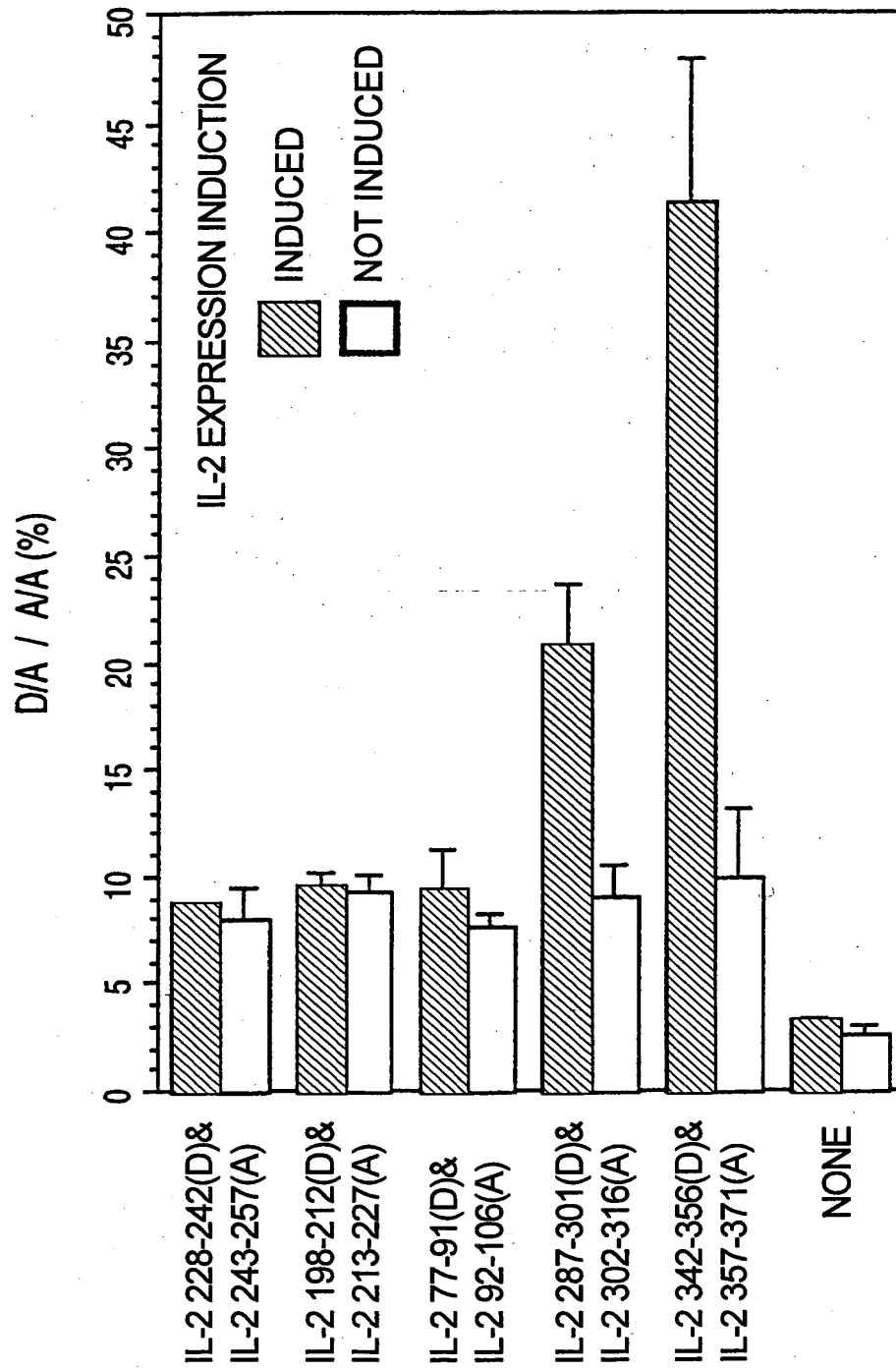
Fig.24

Fig.25

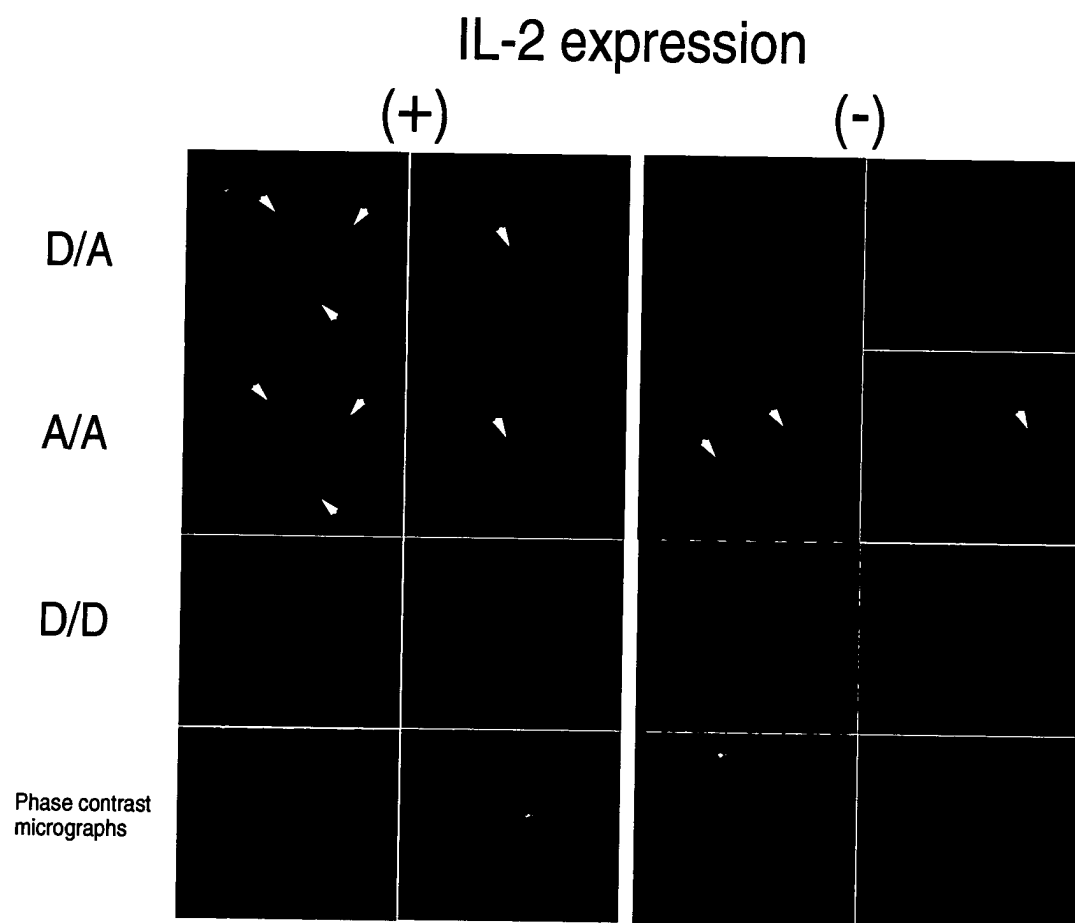


Fig.26

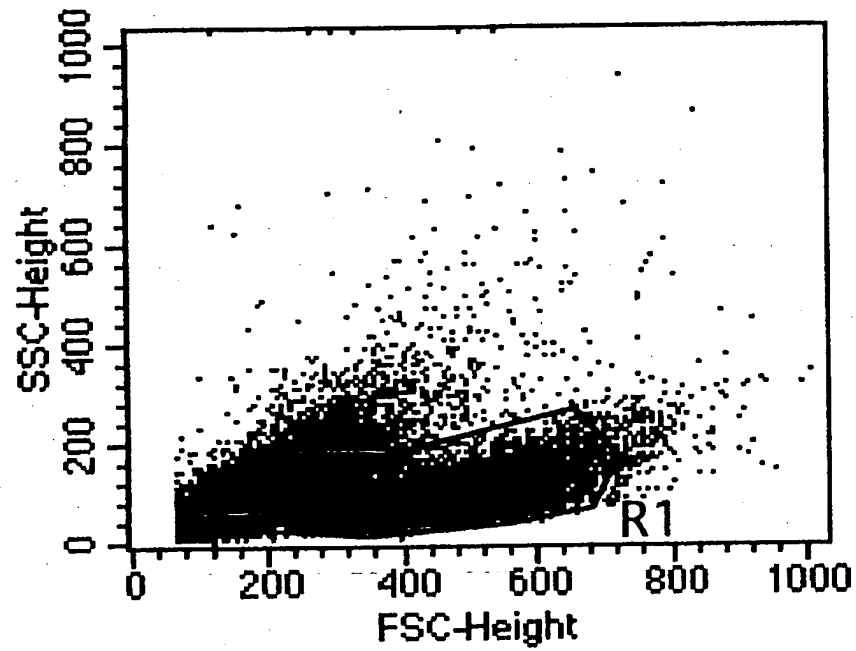


Fig.27

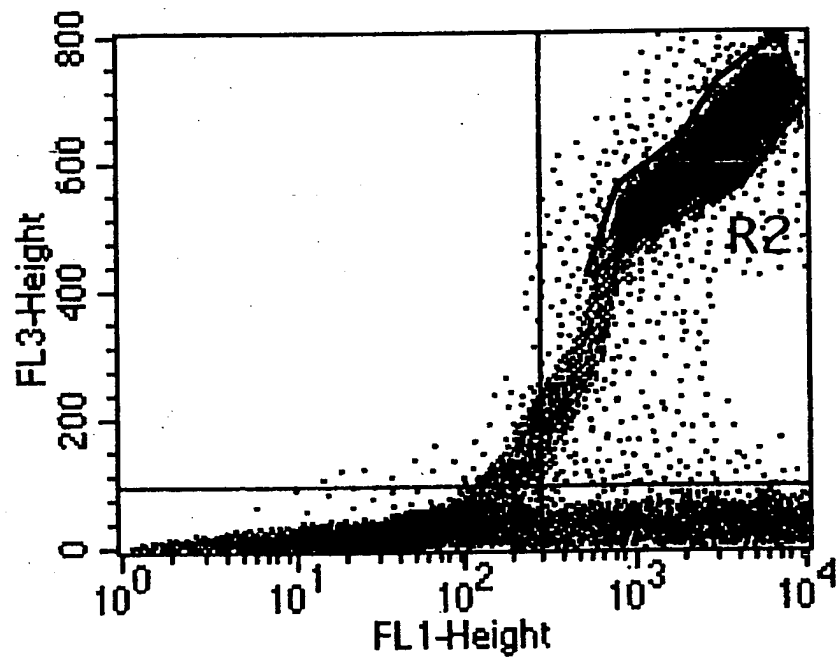


Fig.28

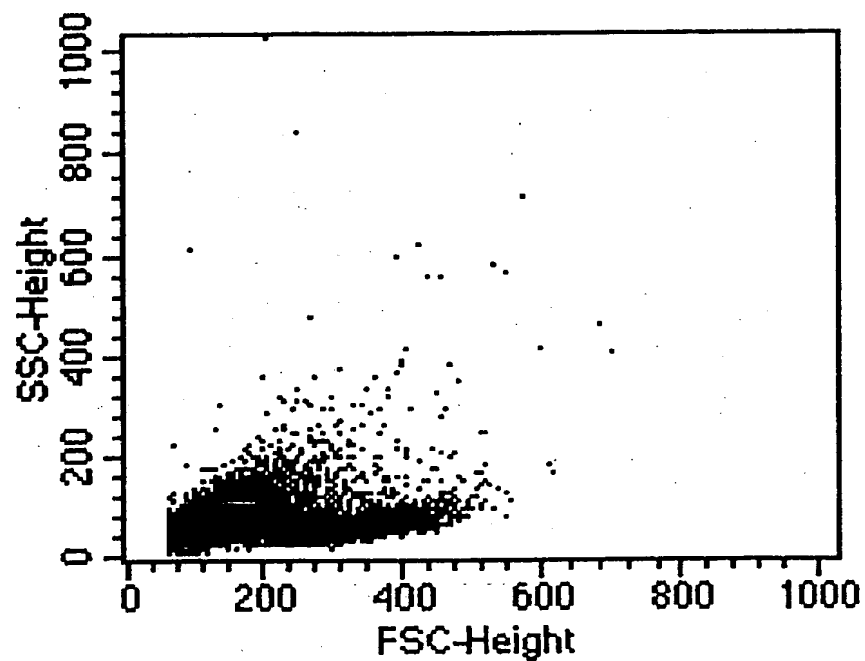


Fig.29

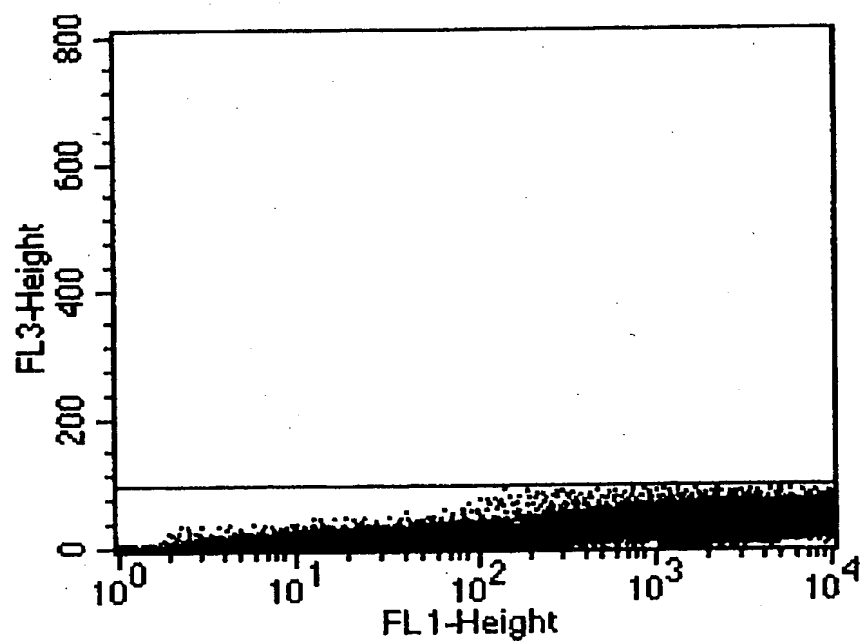


Fig.30

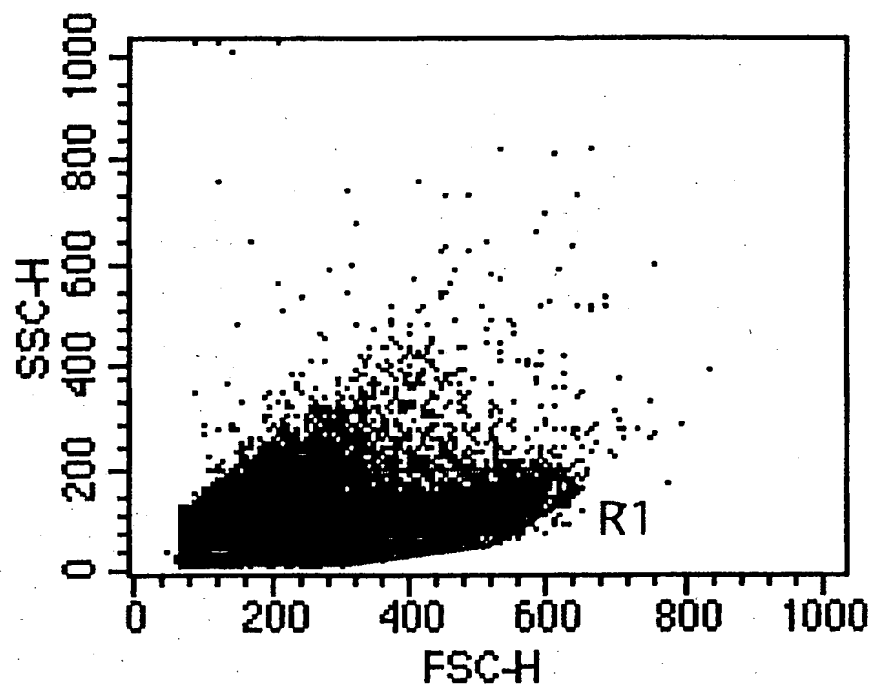


Fig.31

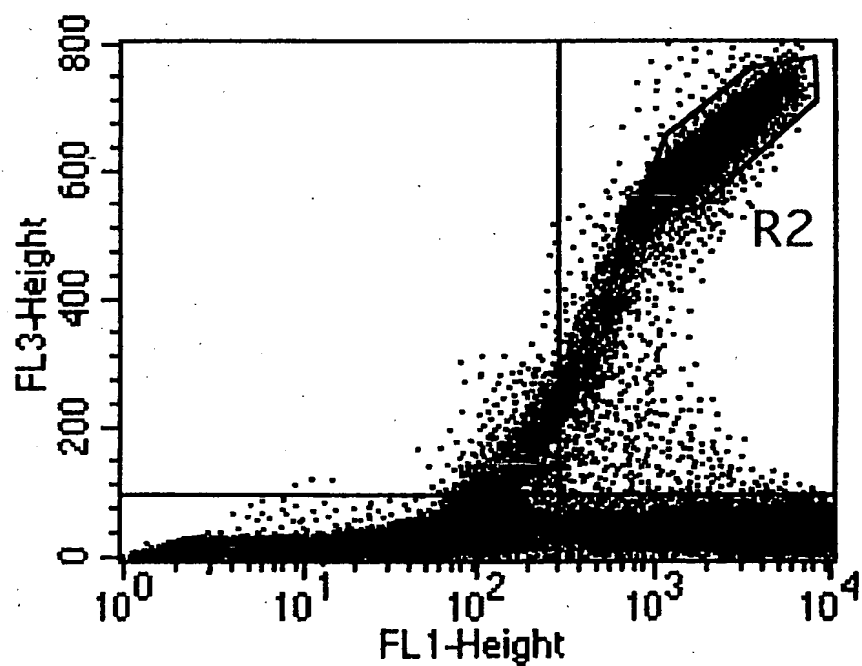


Fig.32

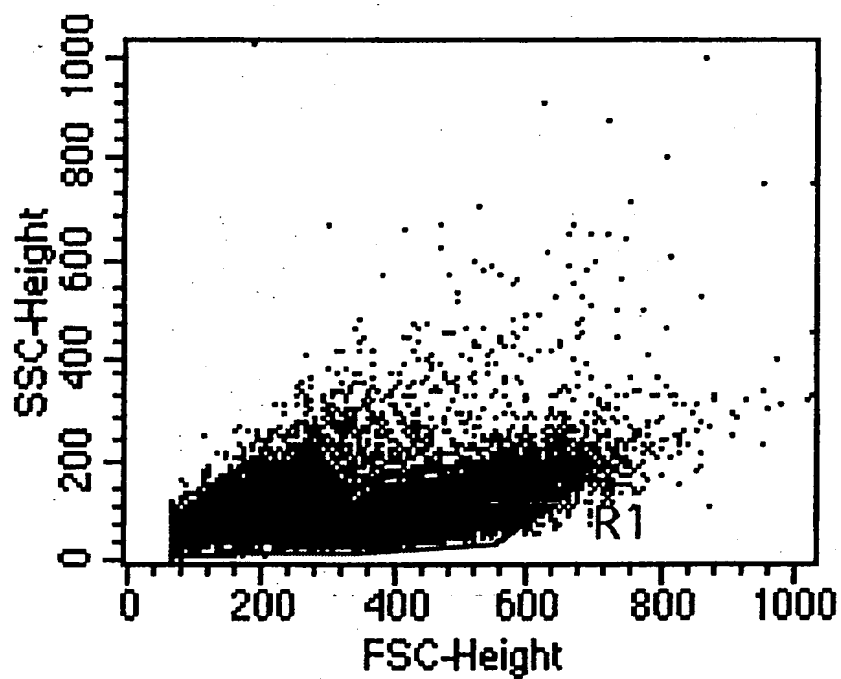


Fig.33

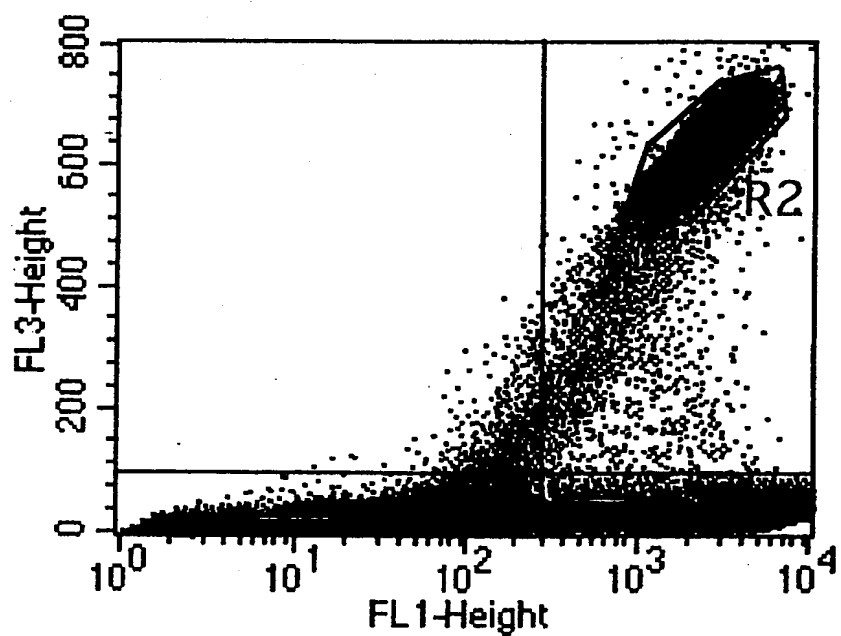


Fig.34

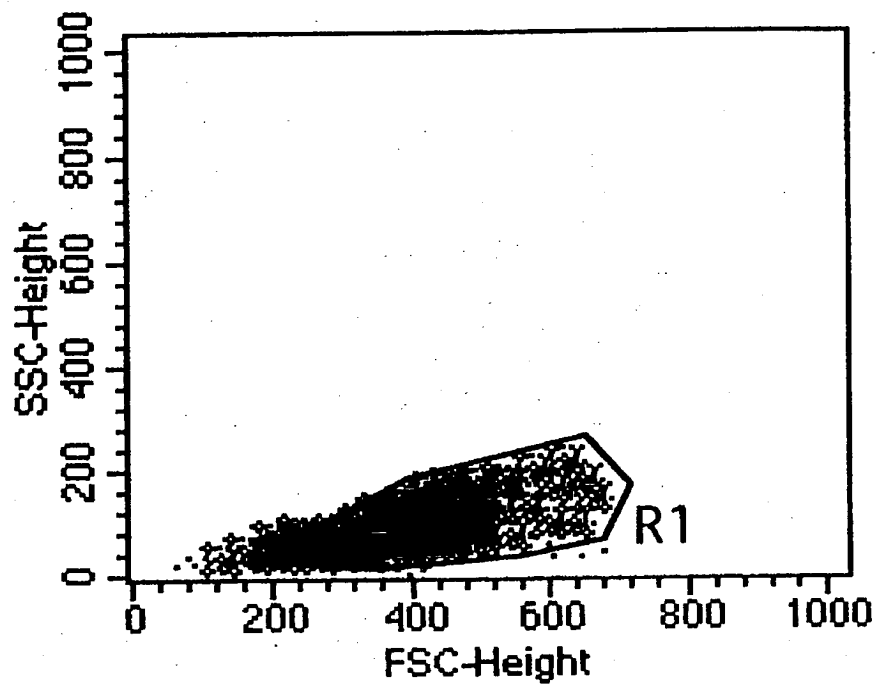


Fig.35

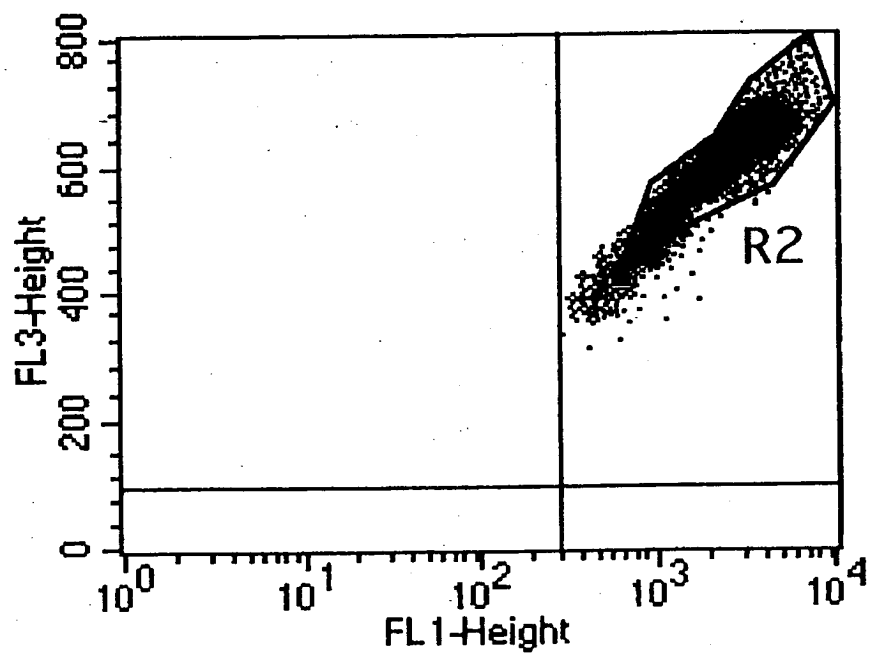


Fig.36

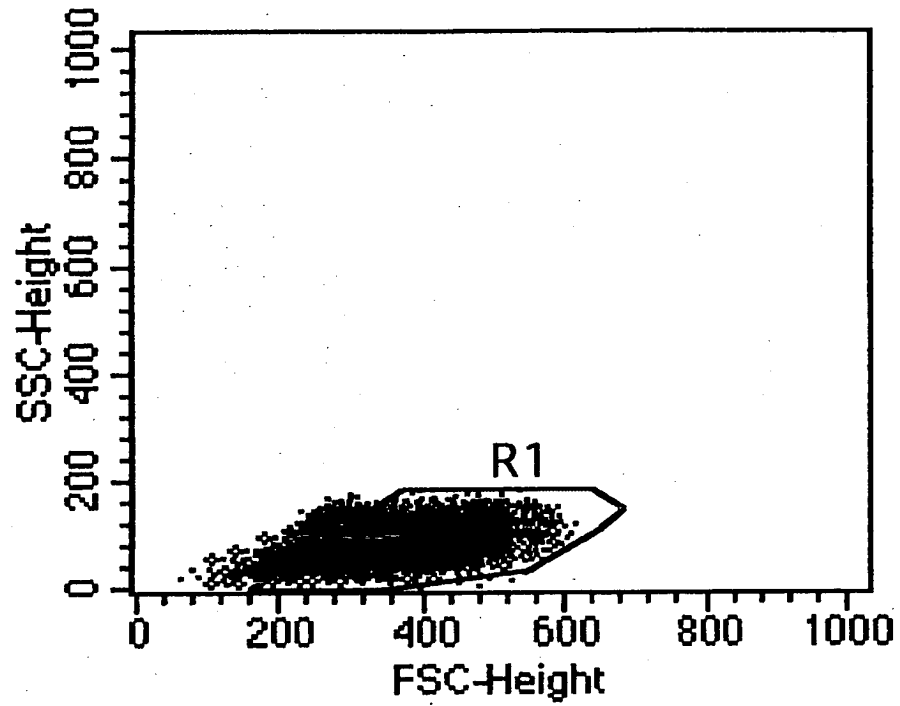


Fig.37

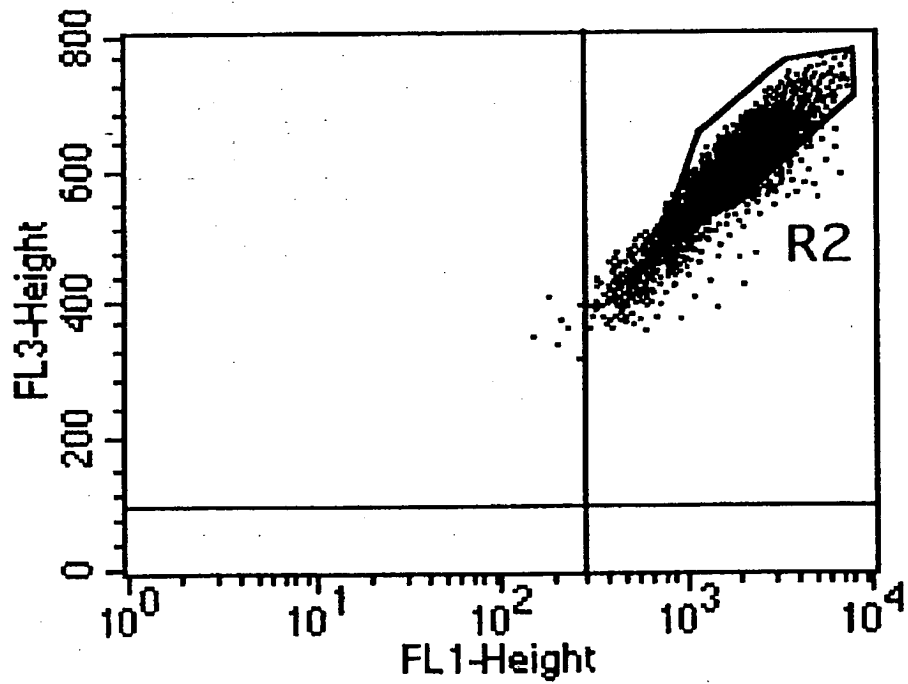


Fig.38

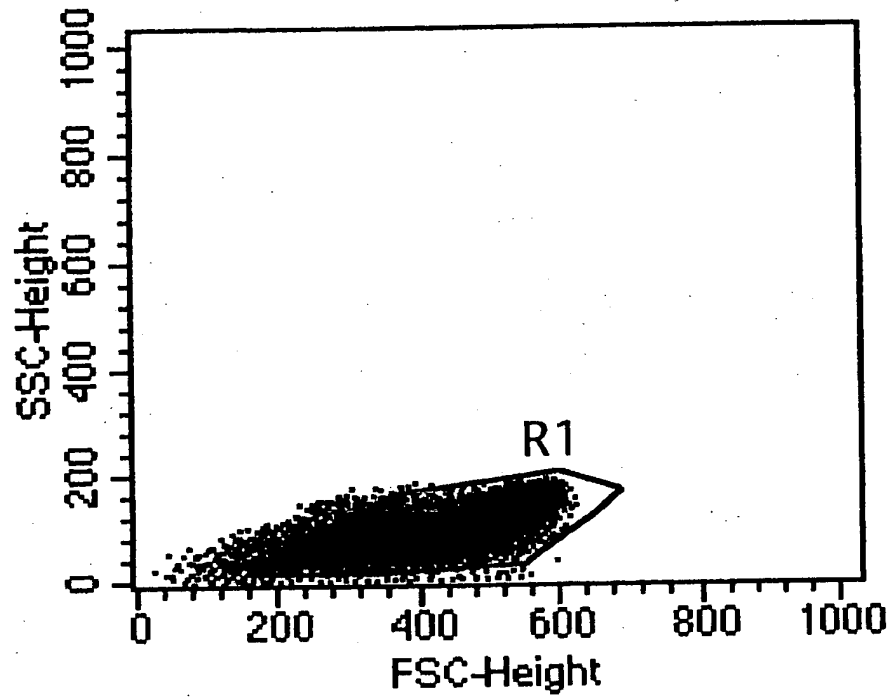


Fig.39

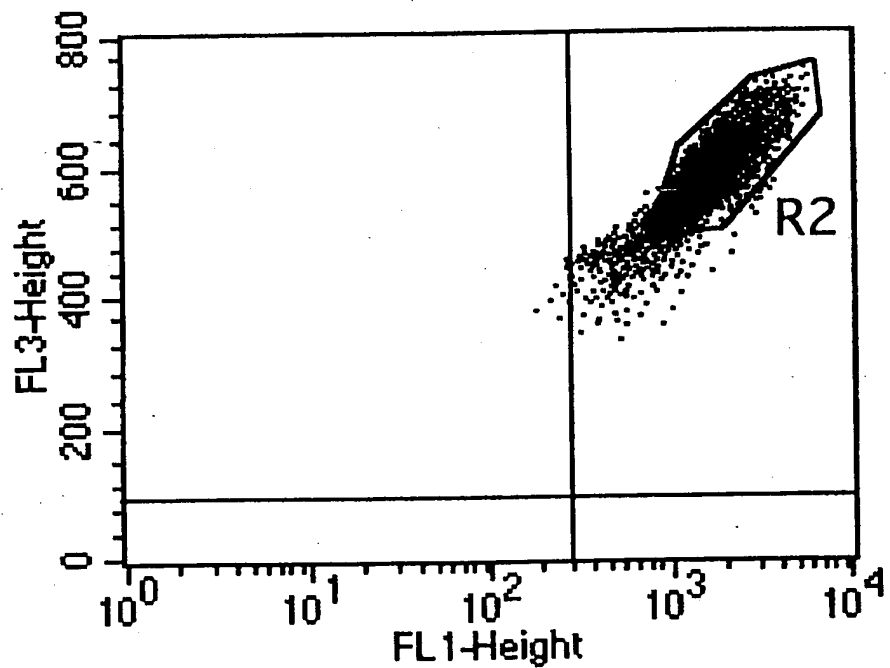


Fig.40

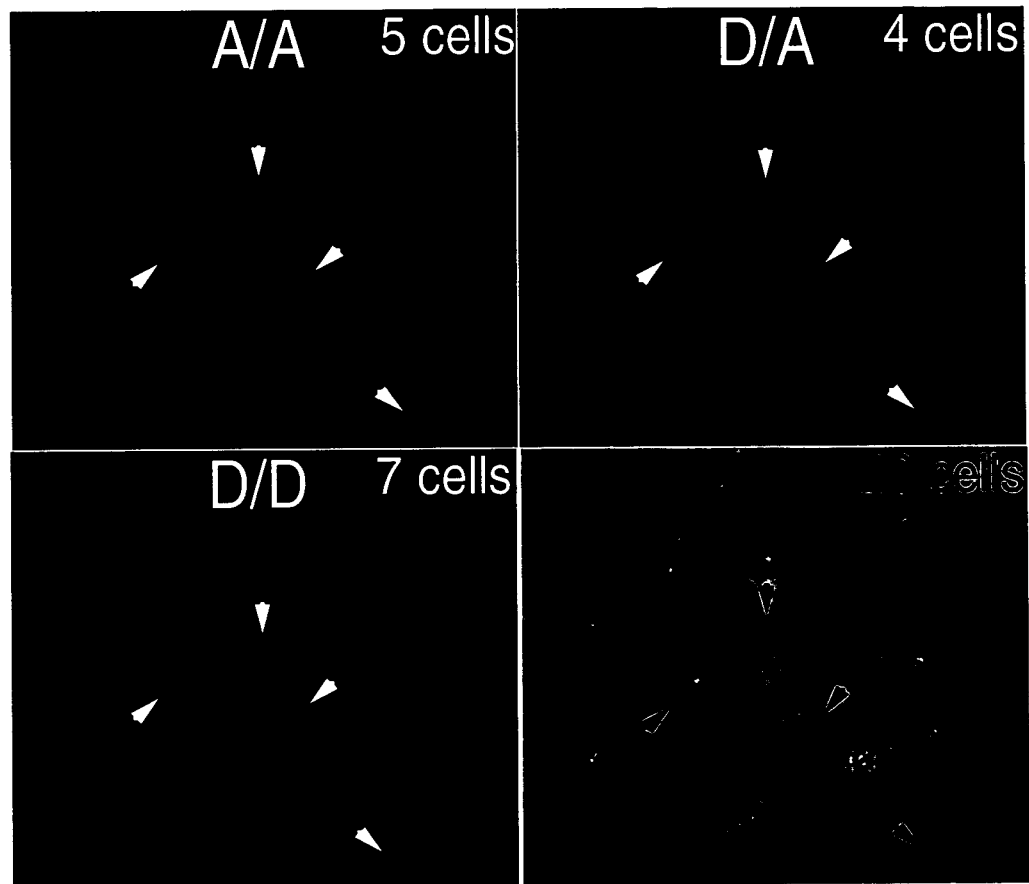


Fig.41

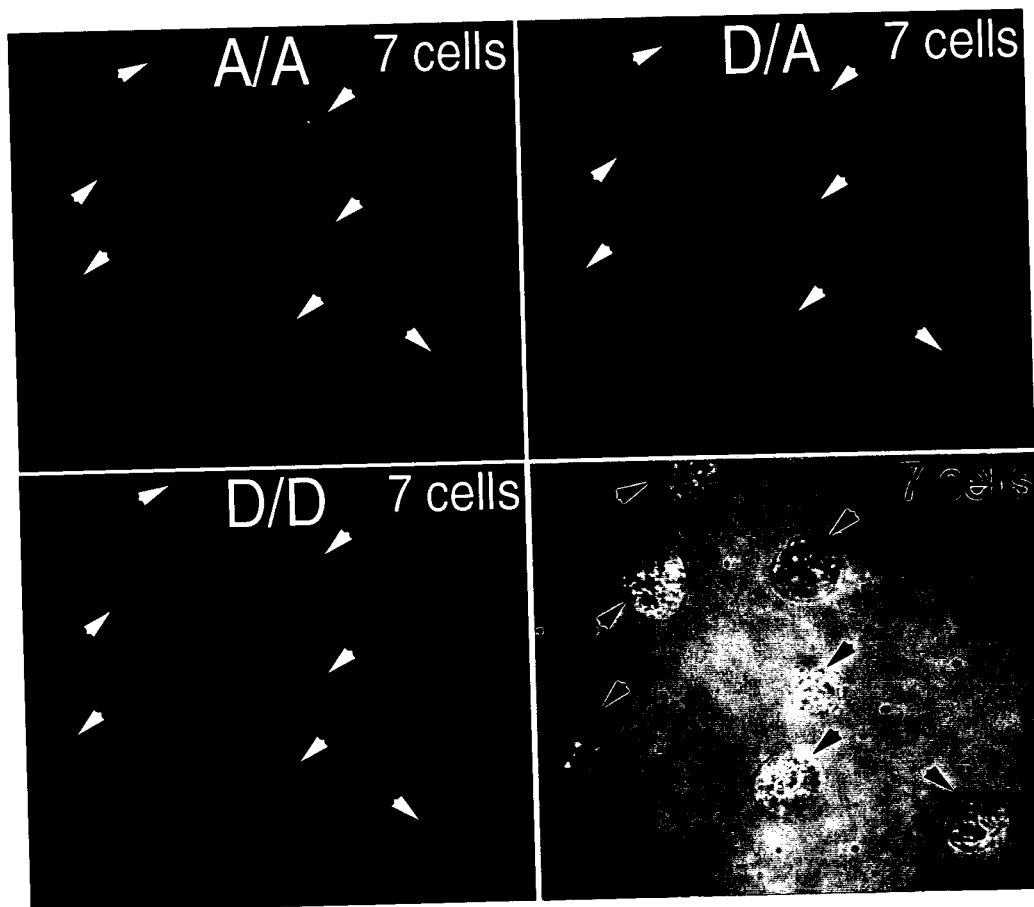


Fig.42

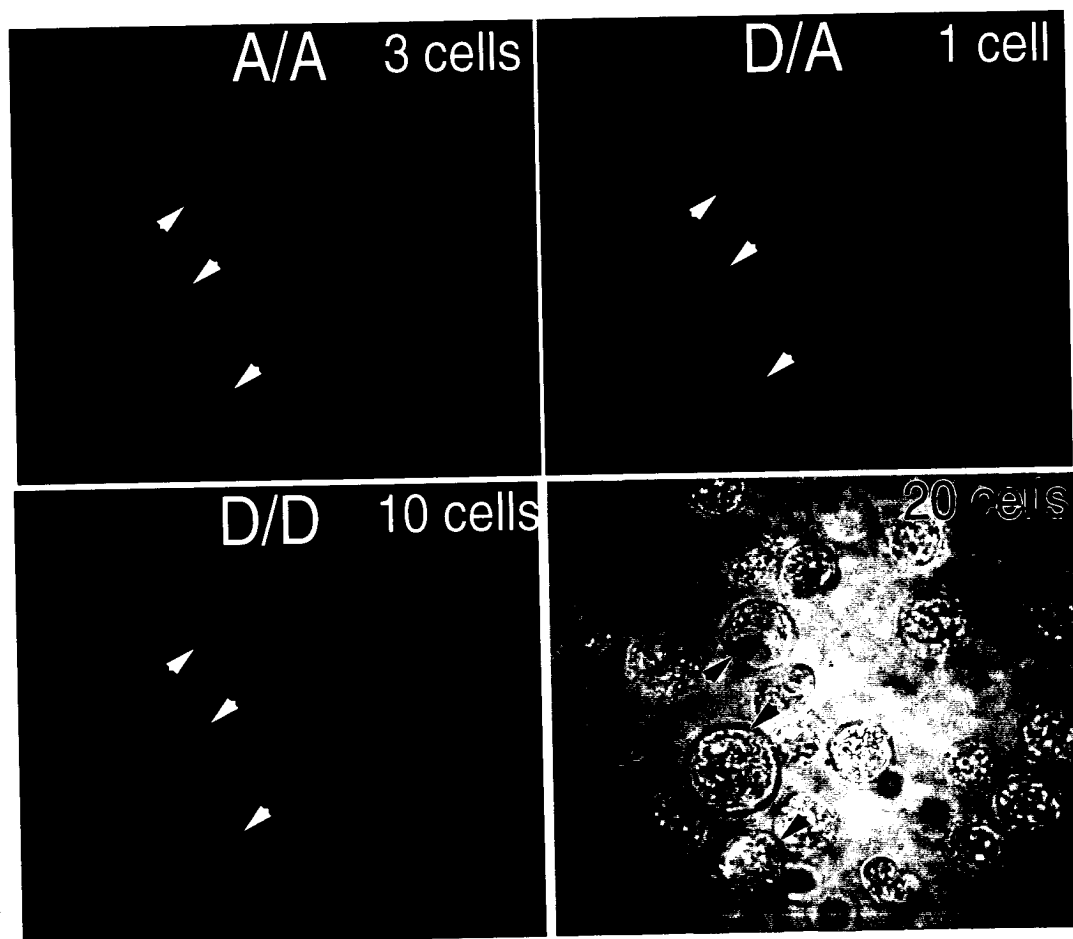


Fig.43

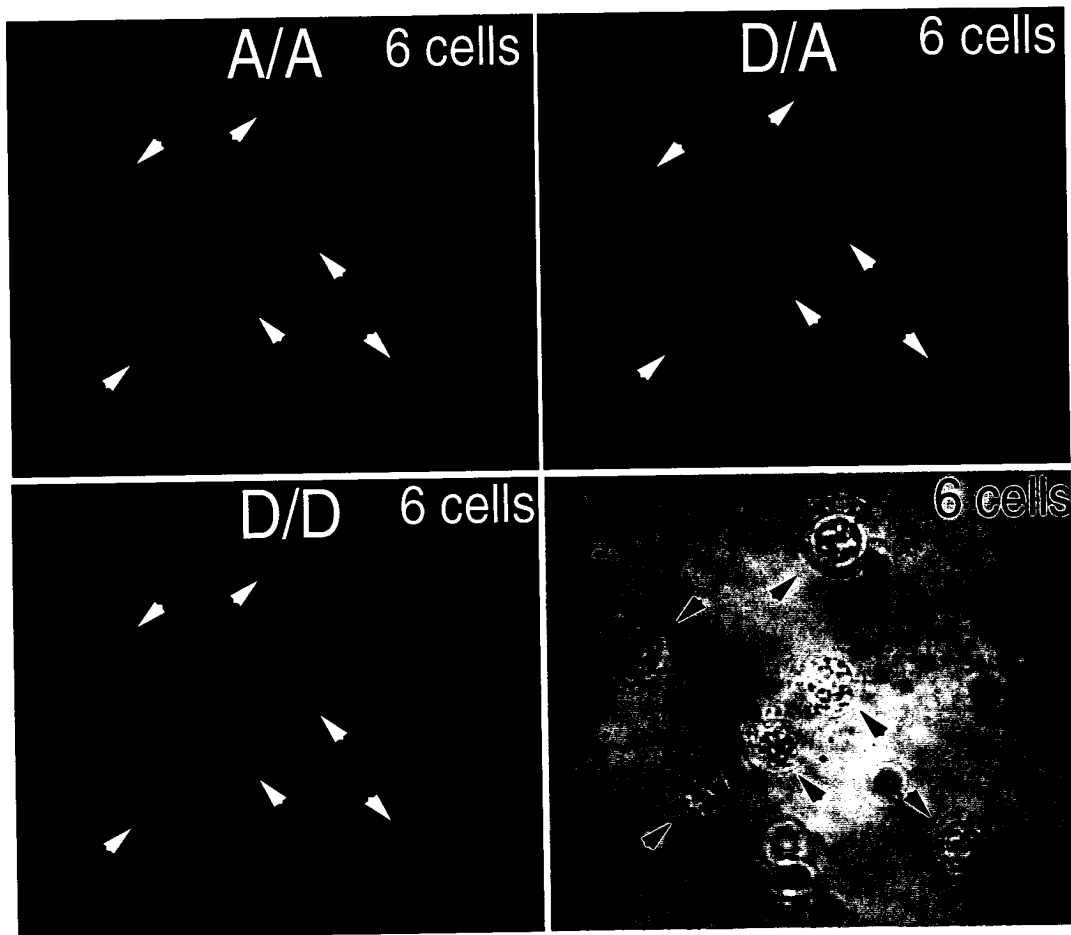


Fig.44

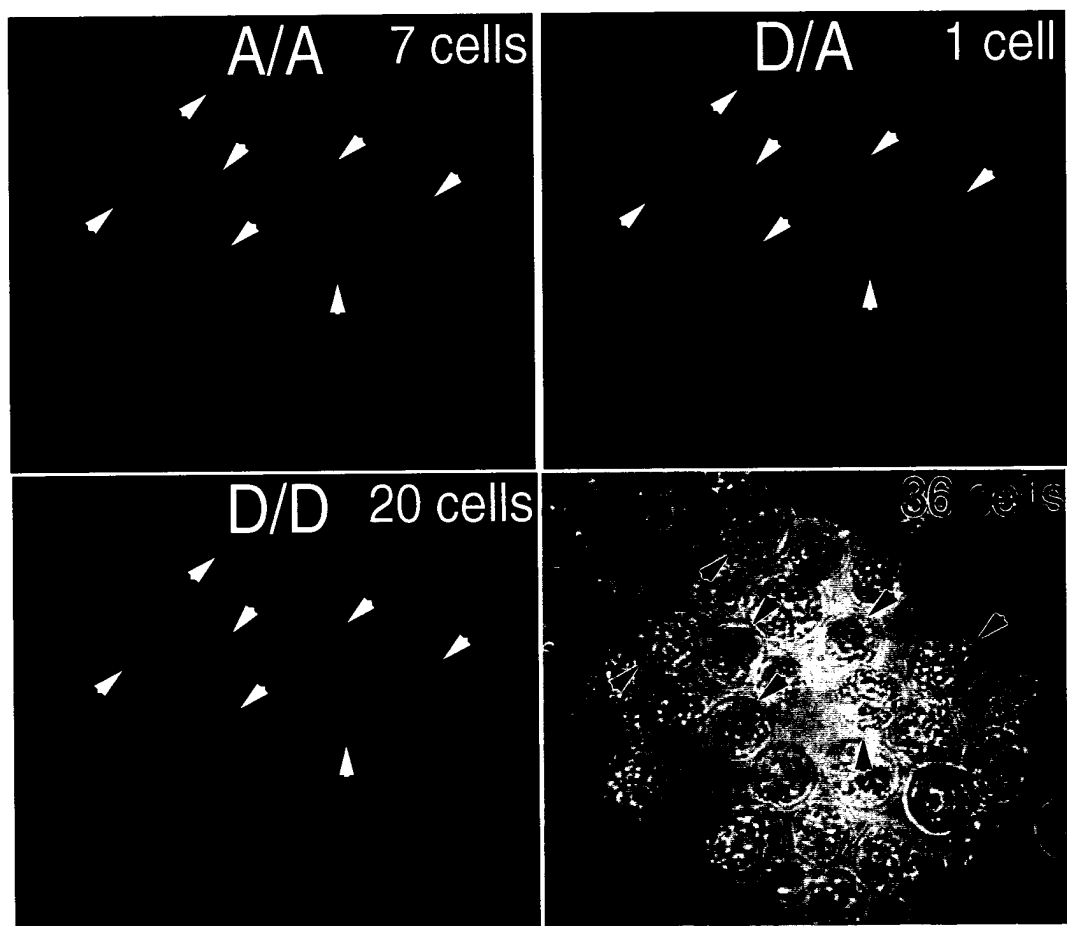


Fig.45

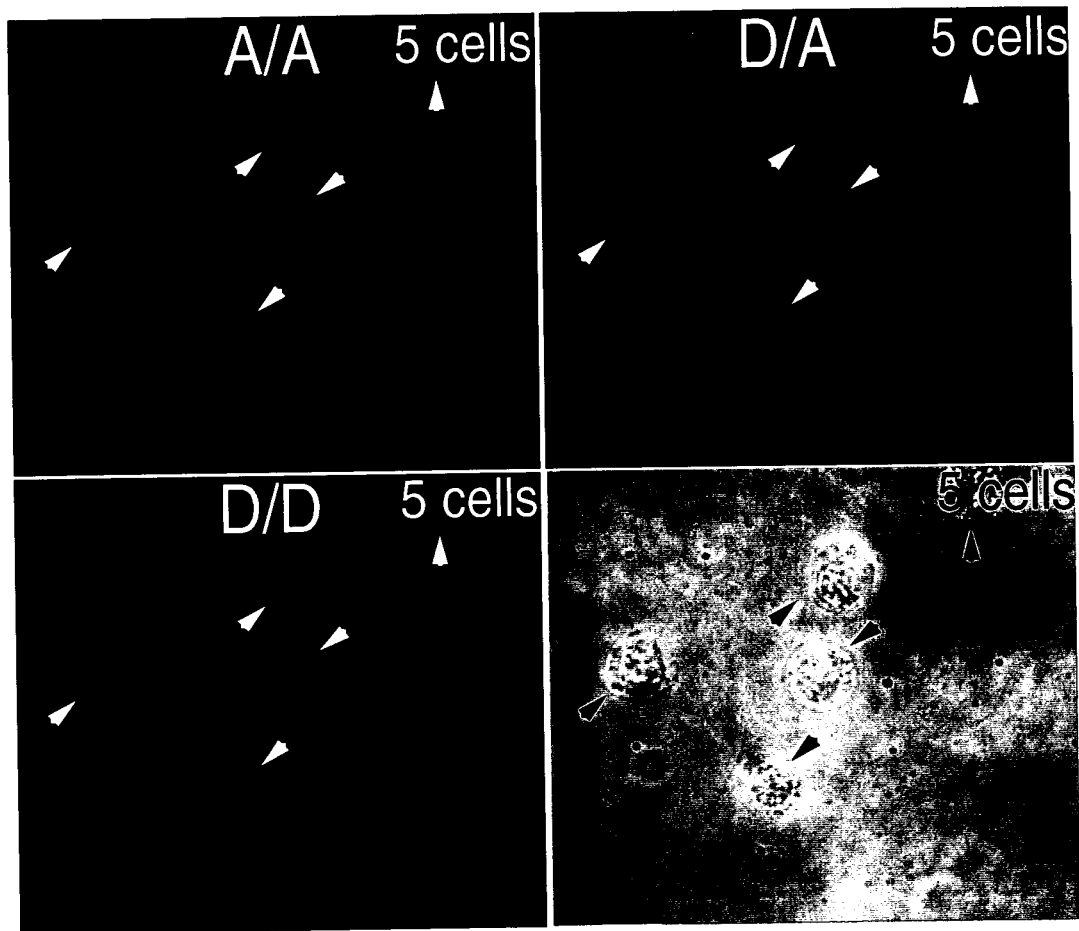


Fig.46

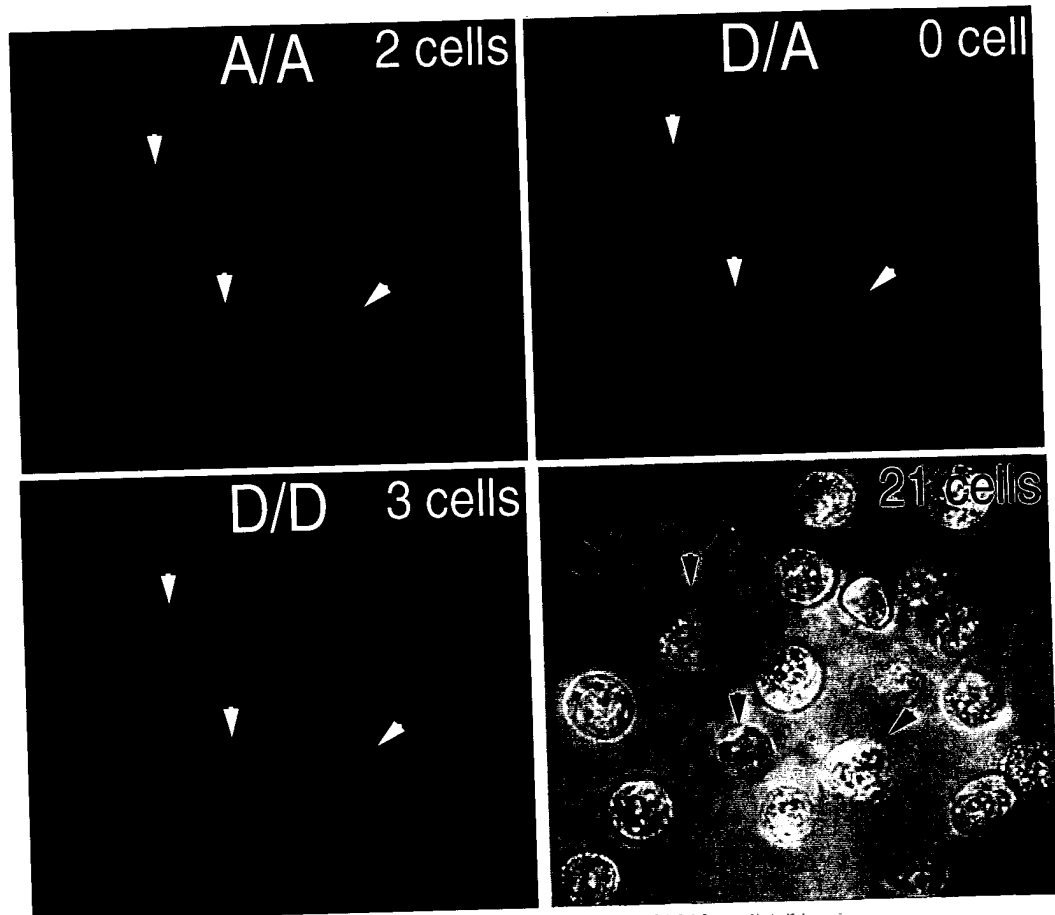


Fig.47

IL-2 mRNA (+); 48/48



Fig.48

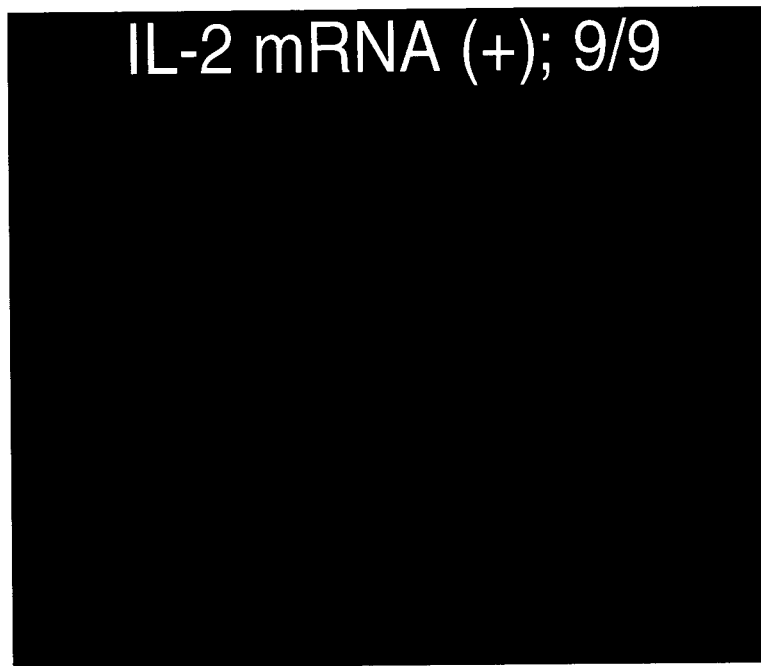


Fig.49

IL-2 mRNA (+); 0/32



Fig.50

IL-2 mRNA (+); 18/35



Fig.51

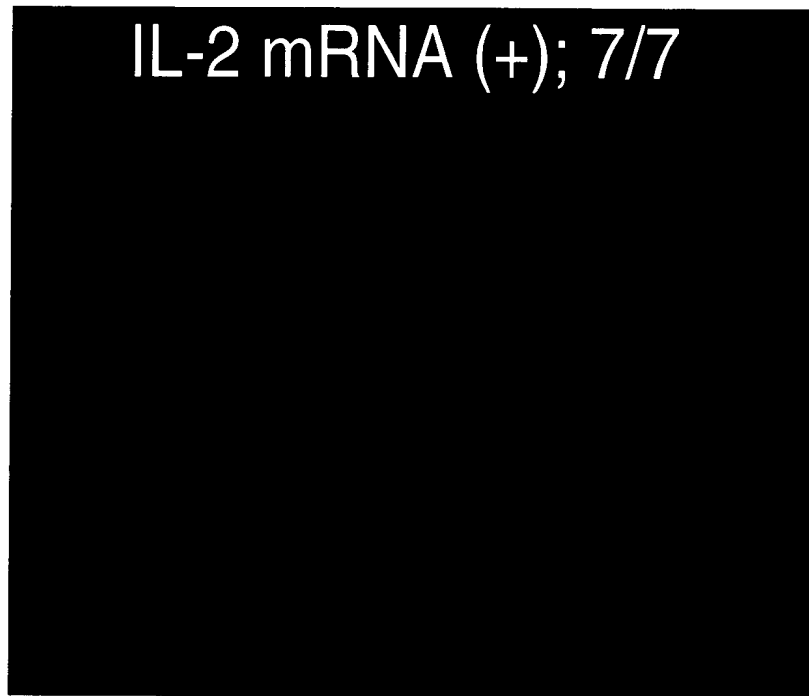


Fig.52

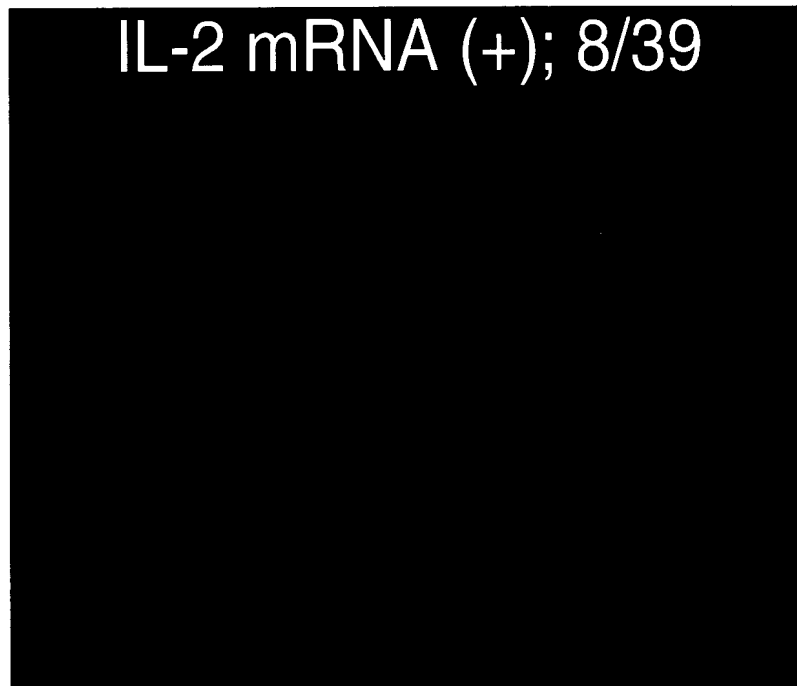


Fig.53

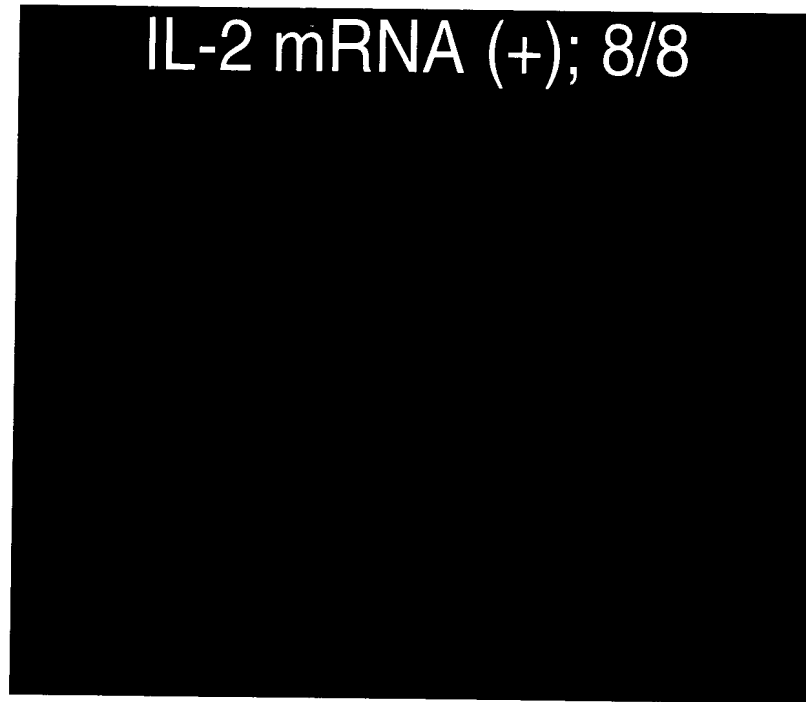


Fig.54

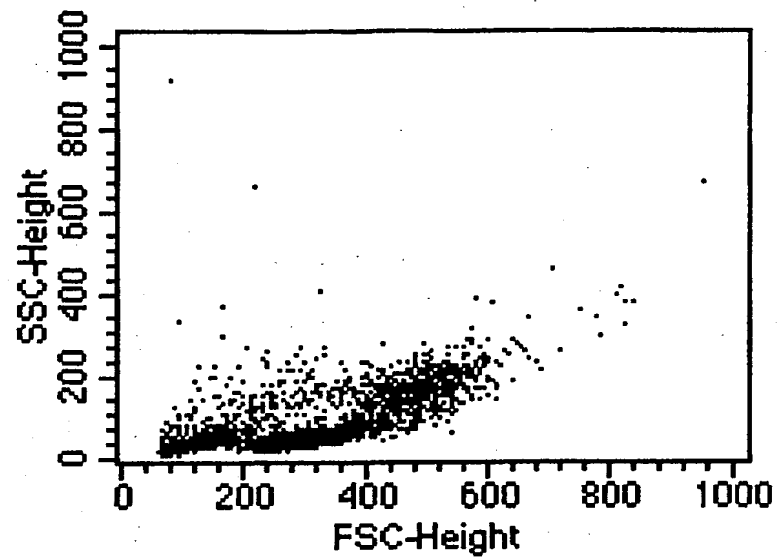


Fig.55

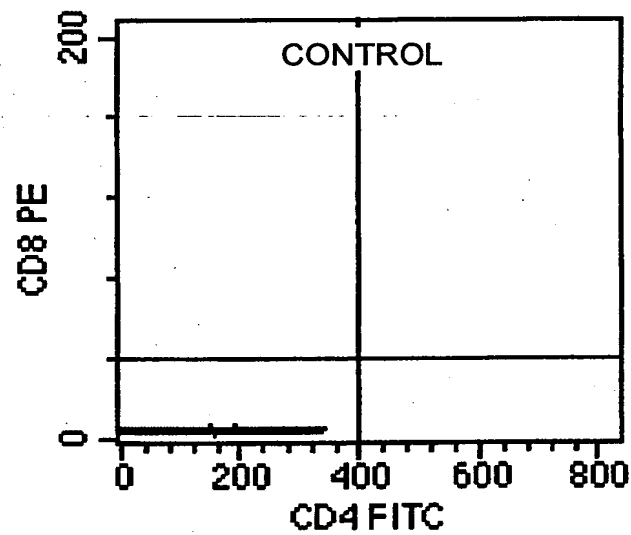


Fig.56

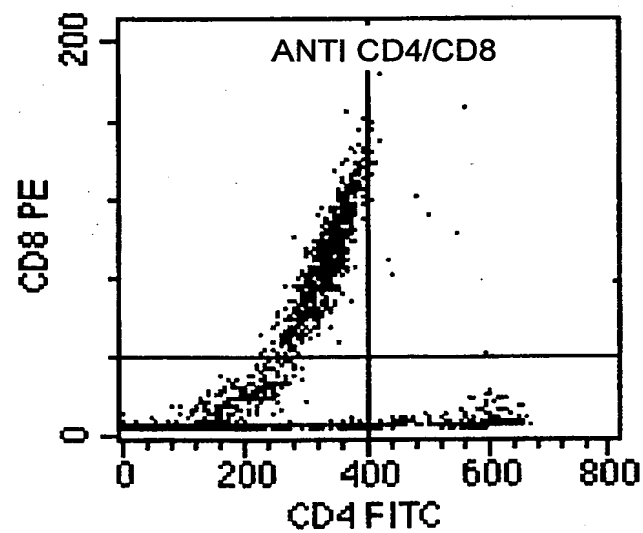


Fig.57

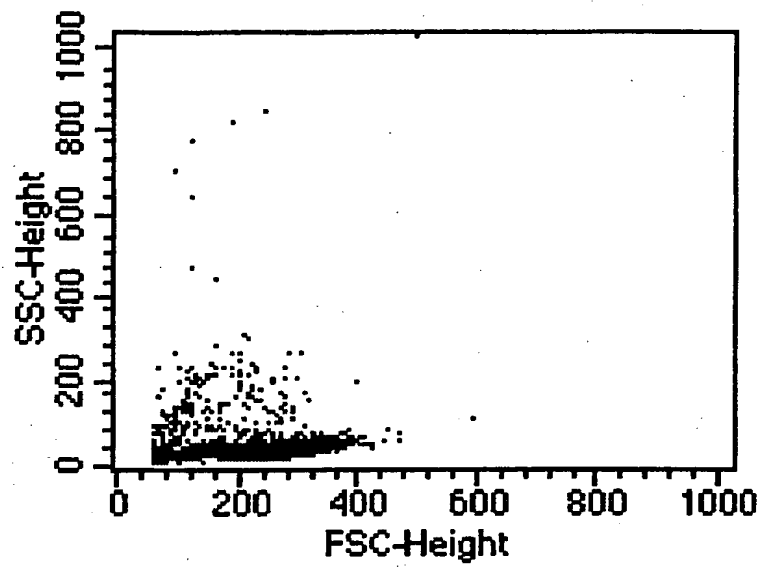


Fig.58

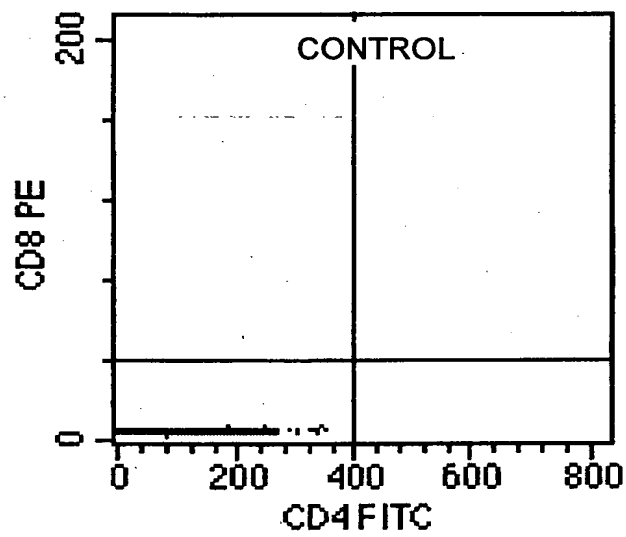


Fig.59

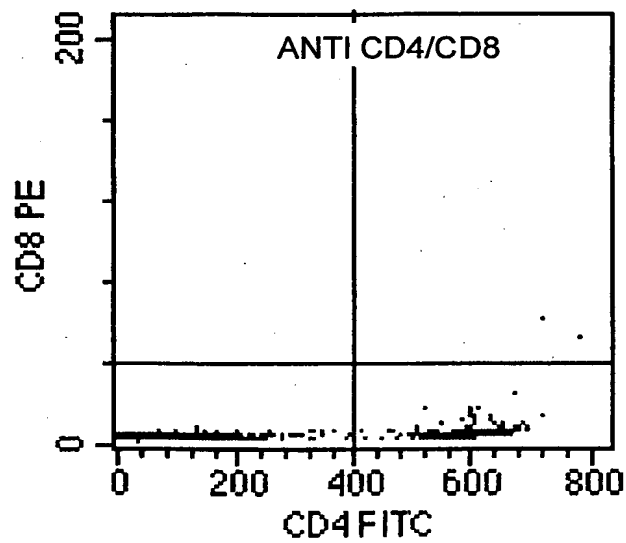


Fig.60

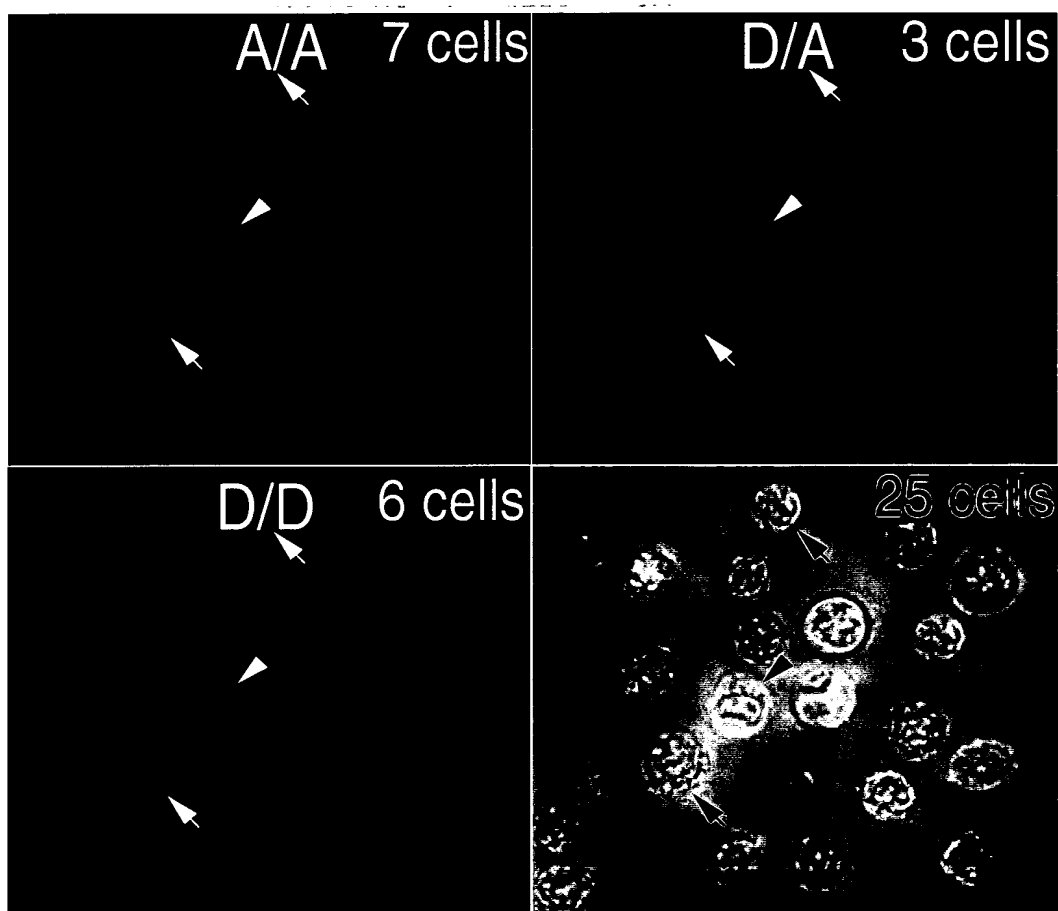


Fig.61

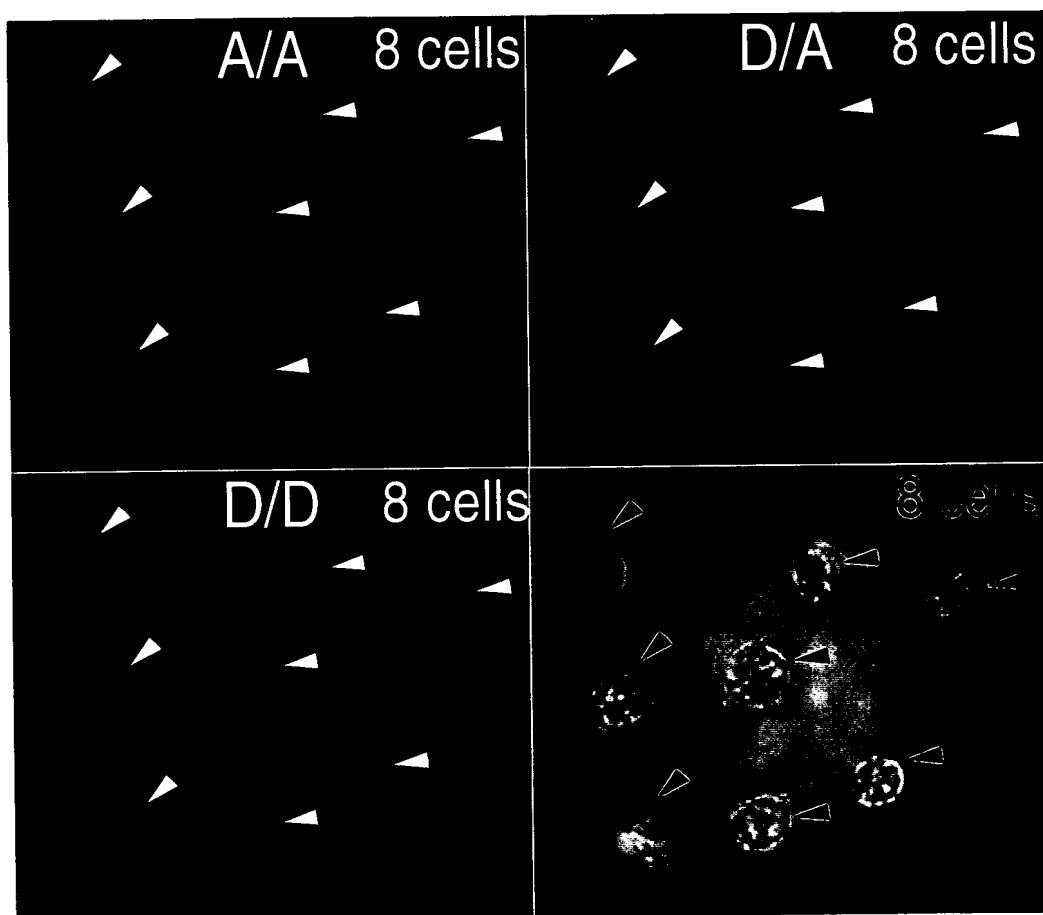


Fig.62

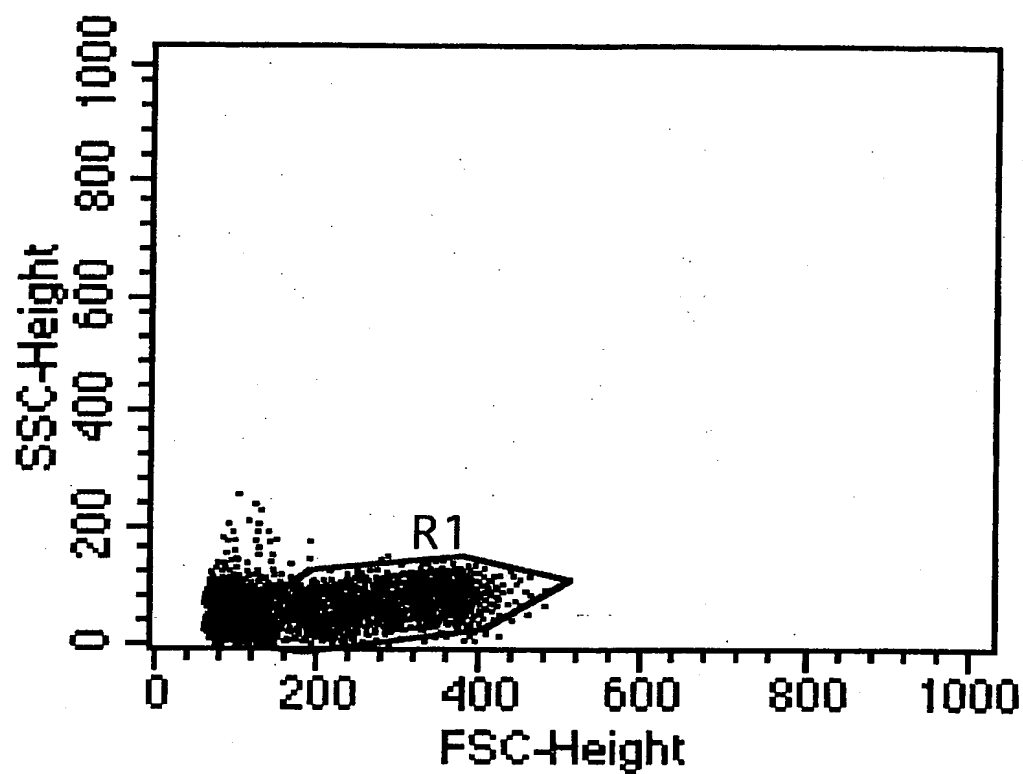


Fig.63

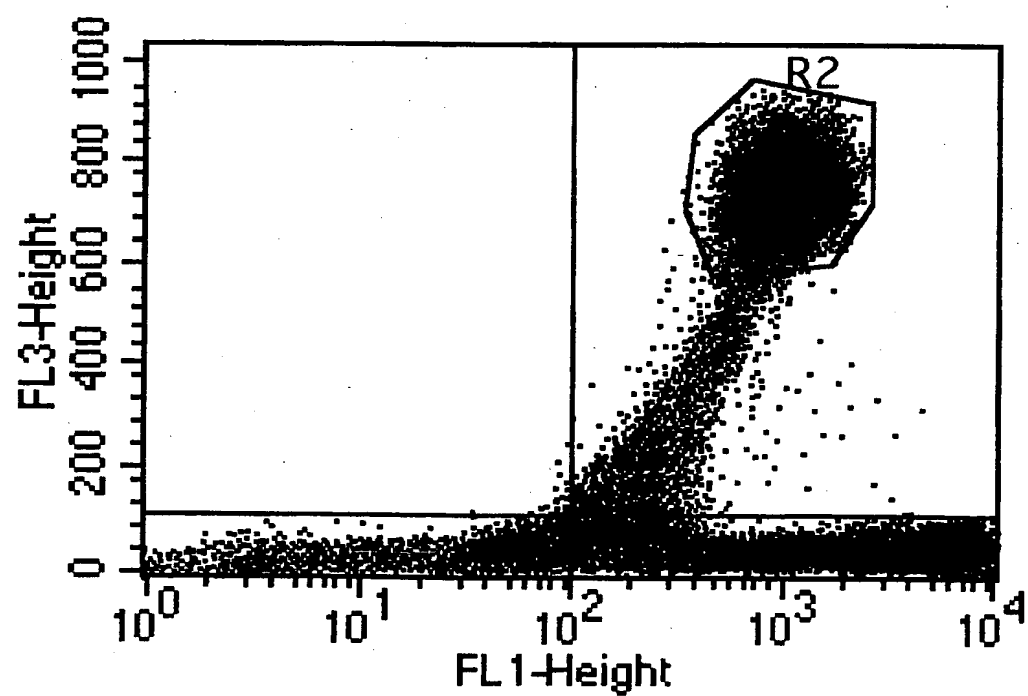


Fig.64

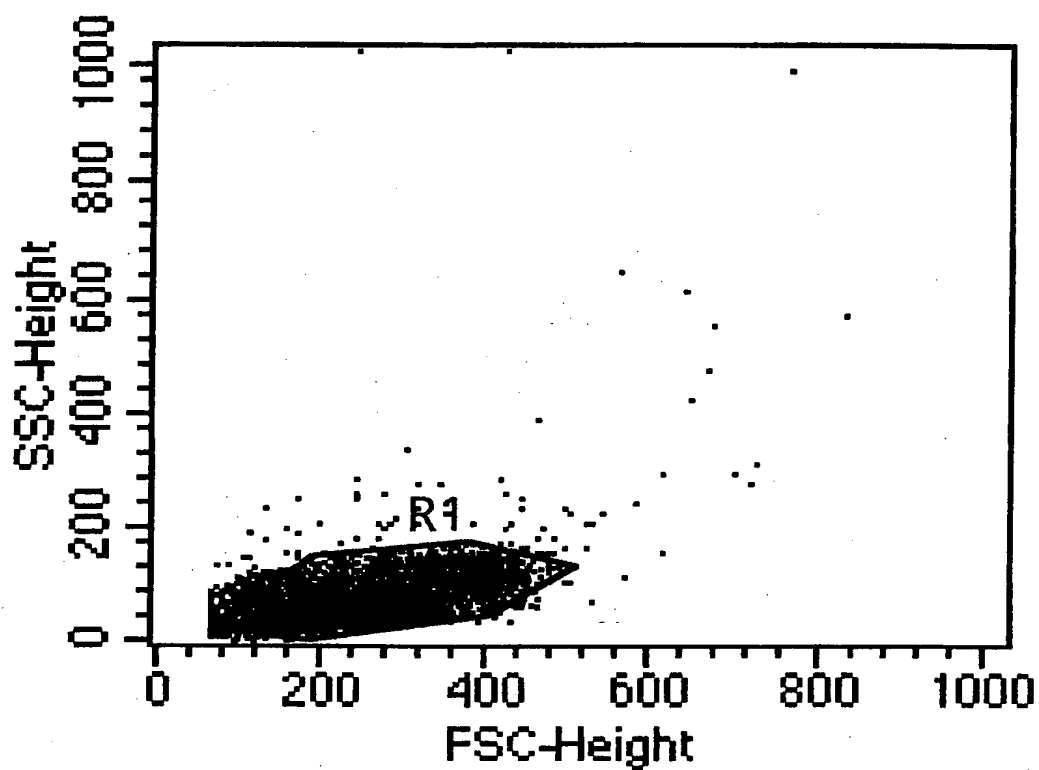


Fig.65

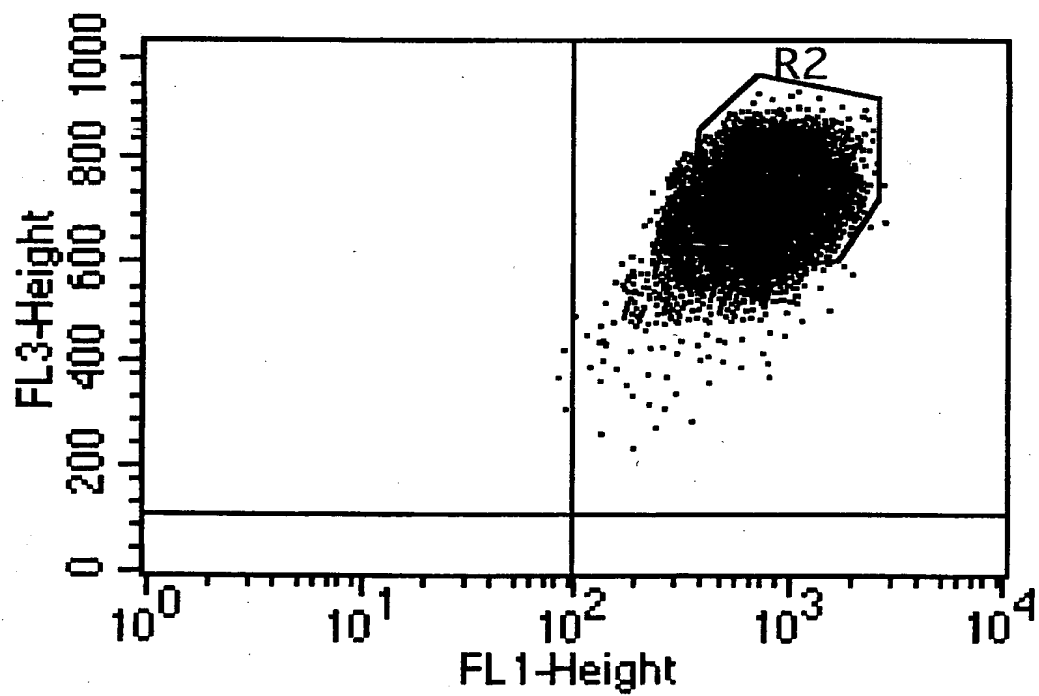


Fig.66

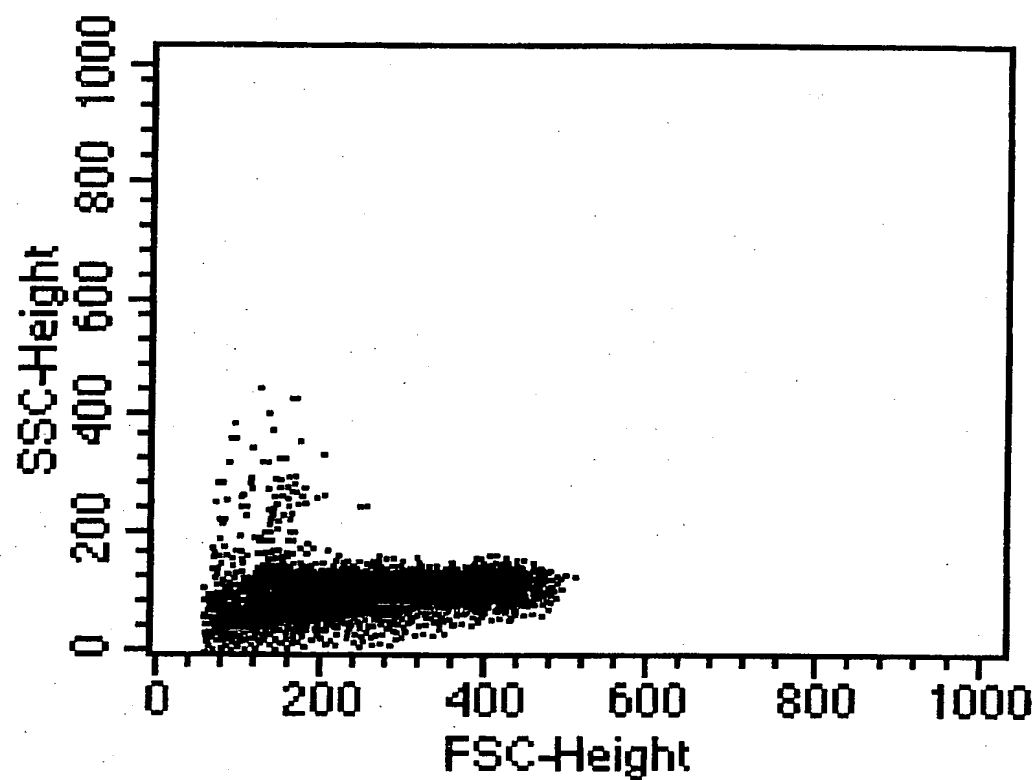


Fig.67

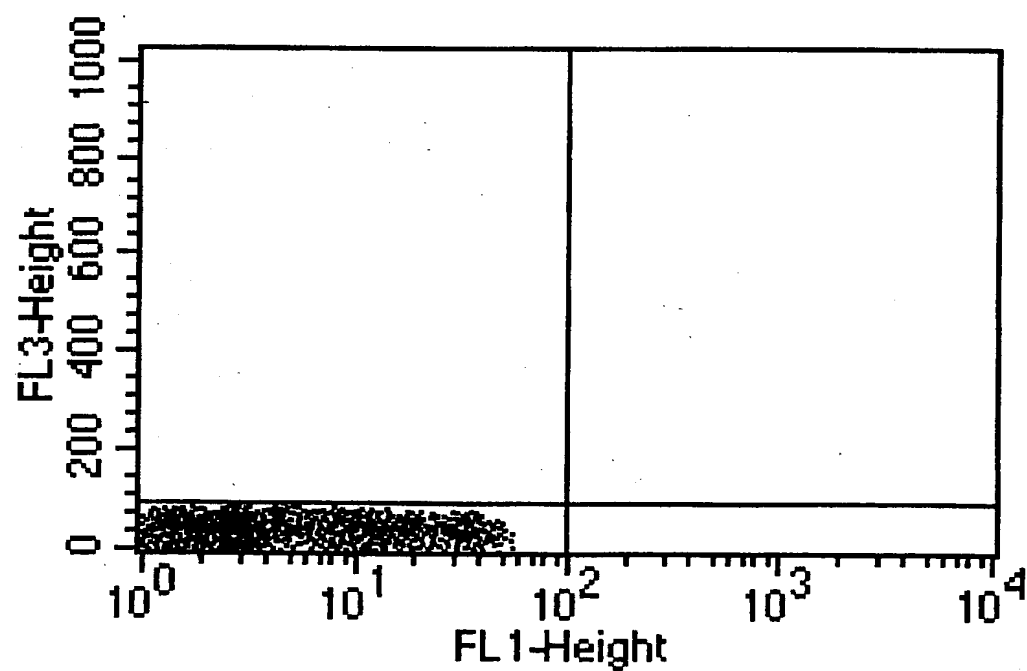


Fig.68

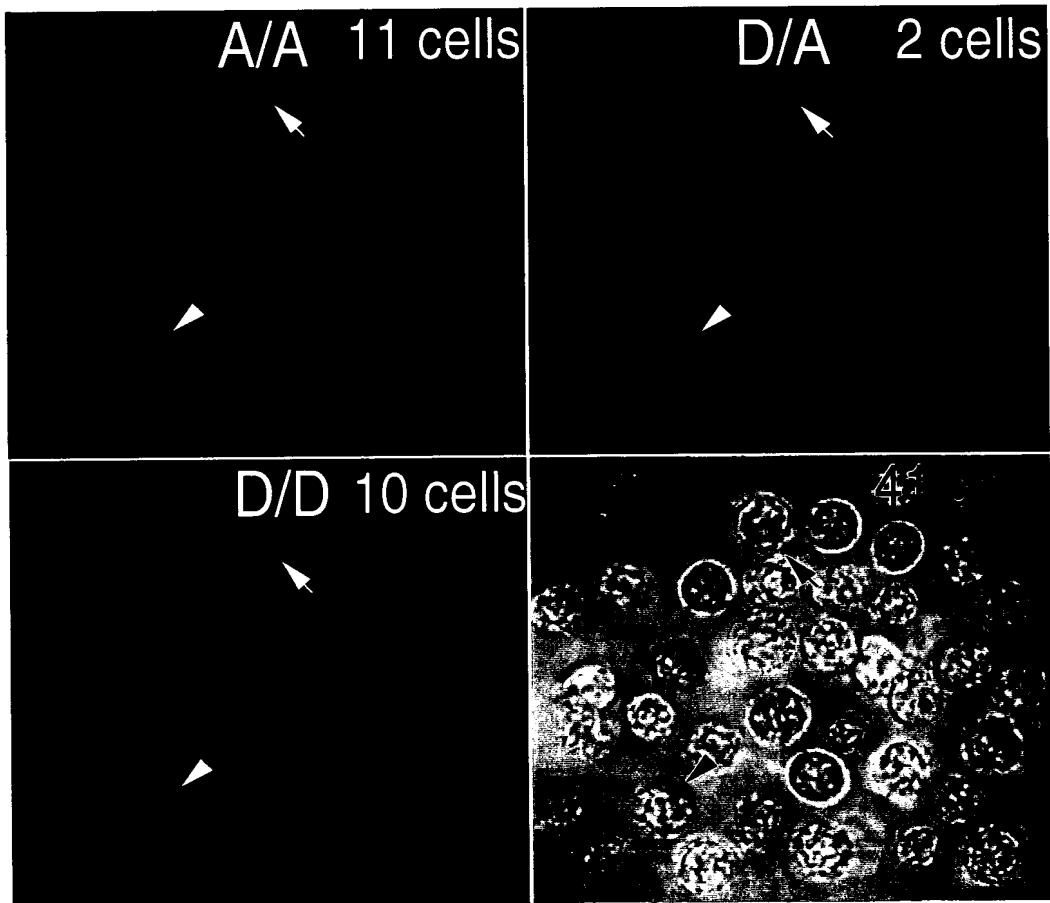


Fig.69

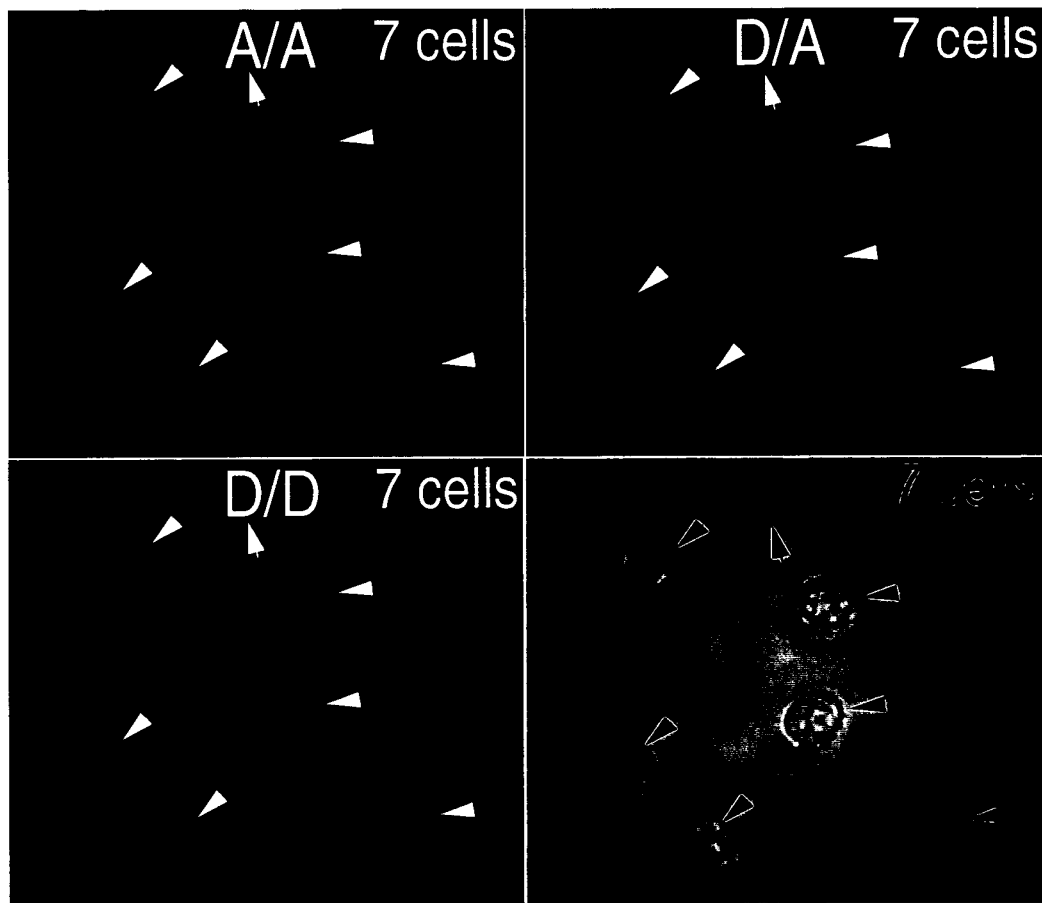


Fig.70

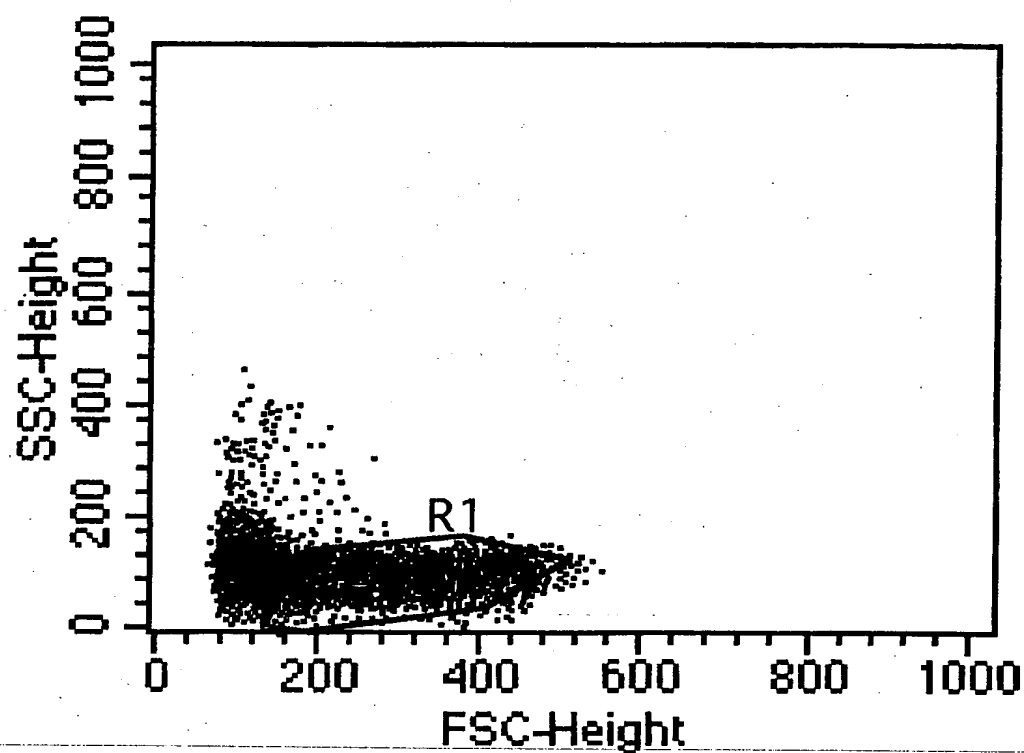


Fig.71

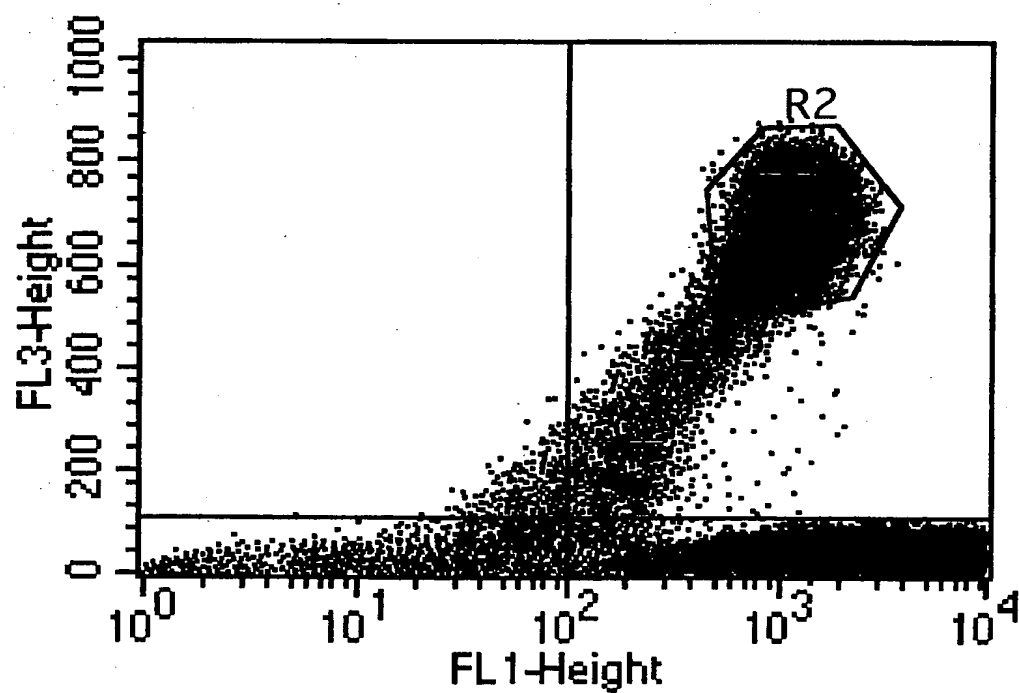


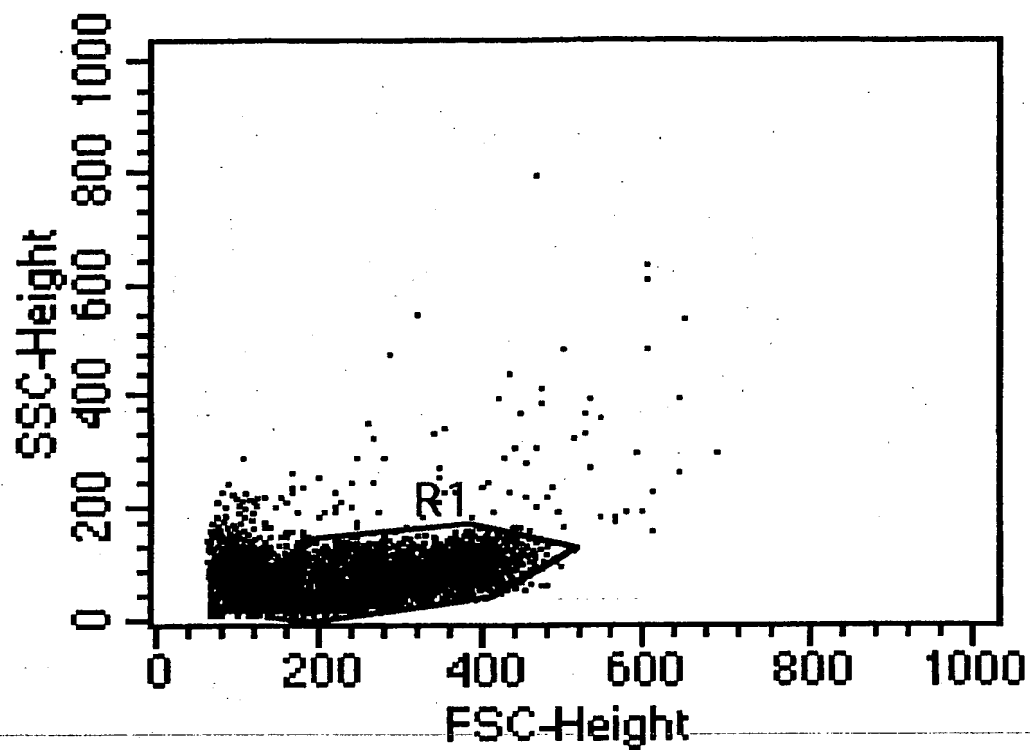
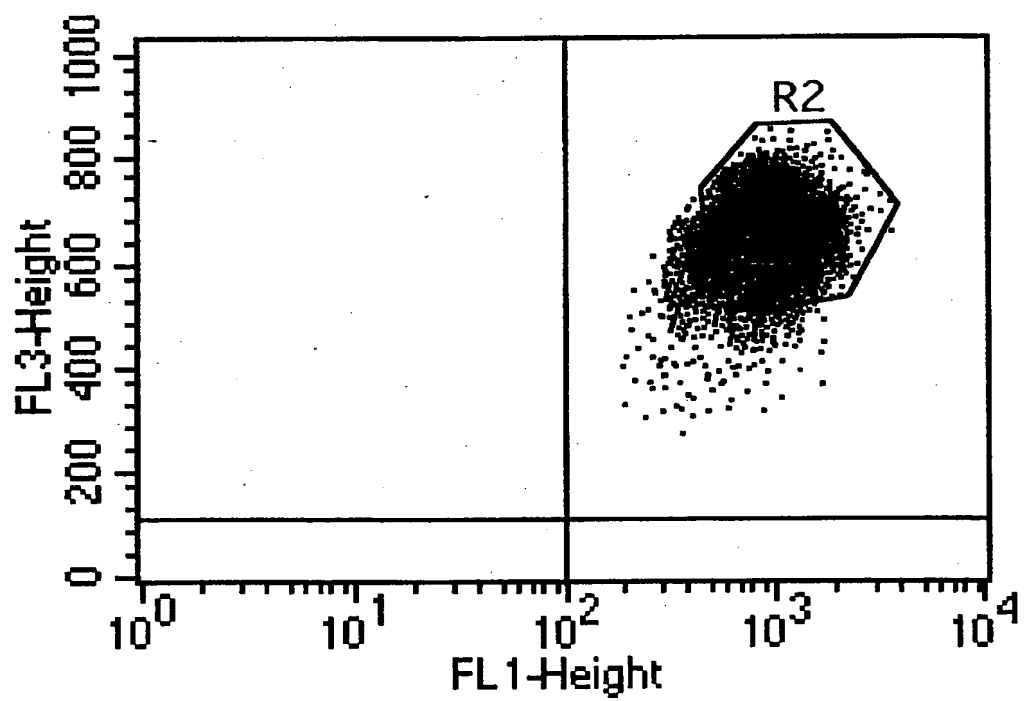
Fig.72**Fig.73**

Fig.74

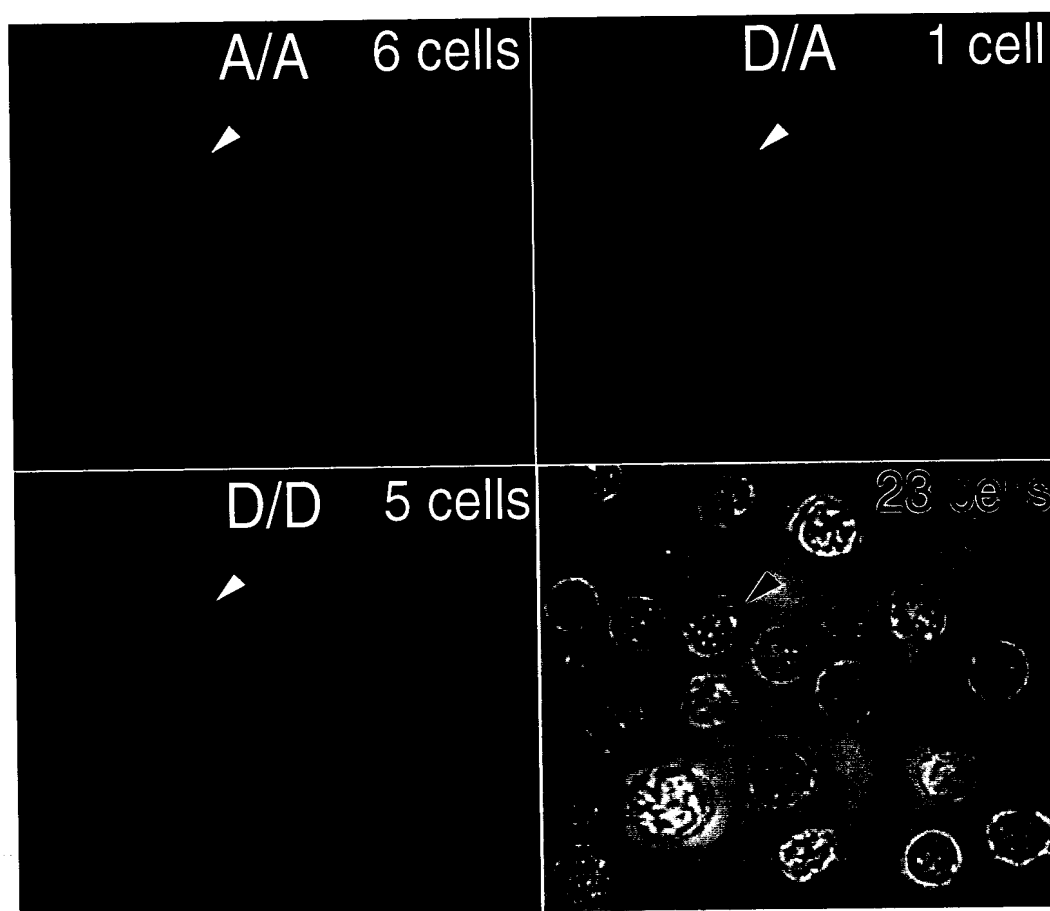


Fig.75

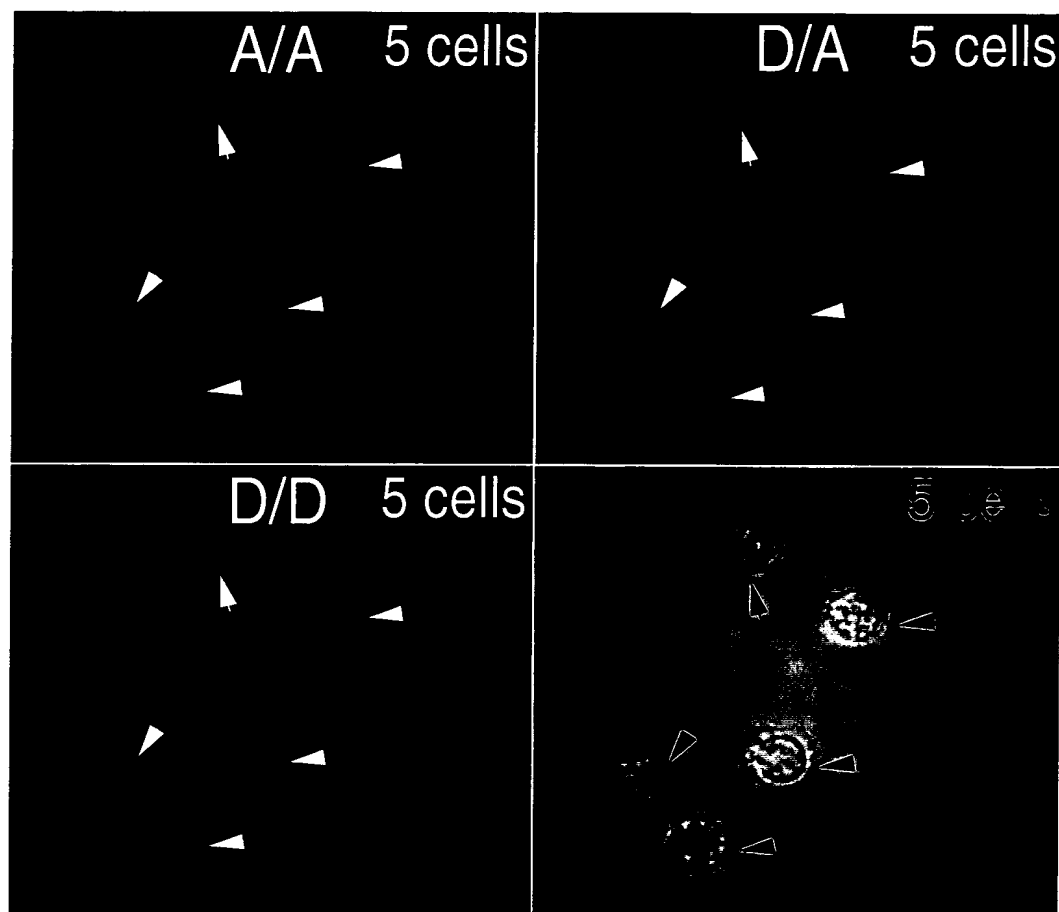


Fig.76

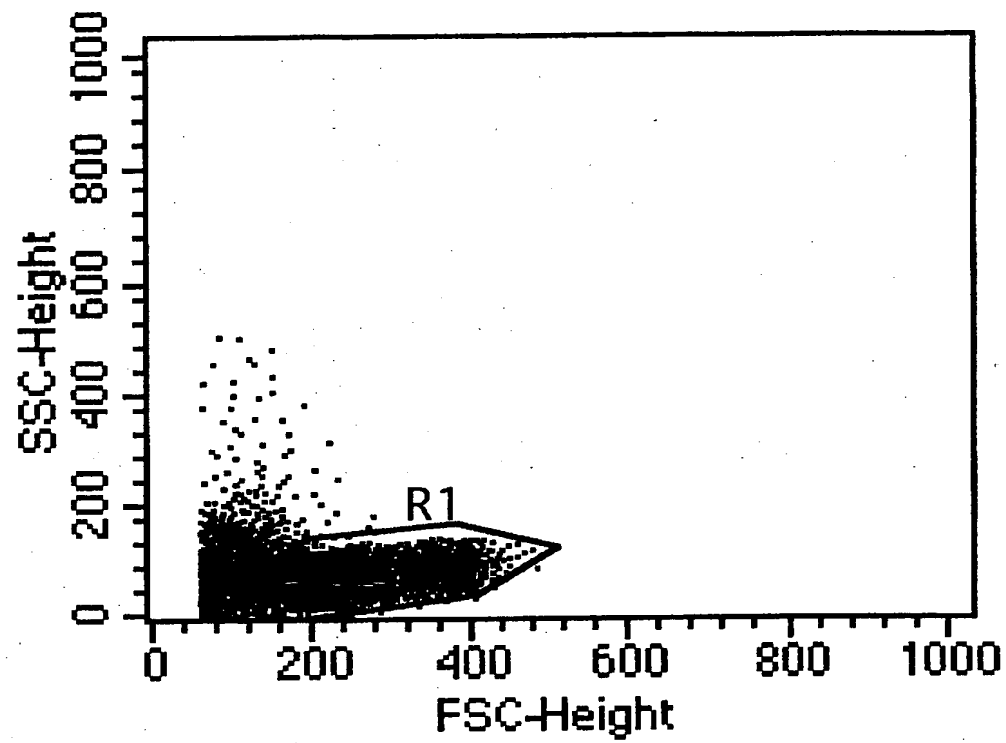


Fig.77

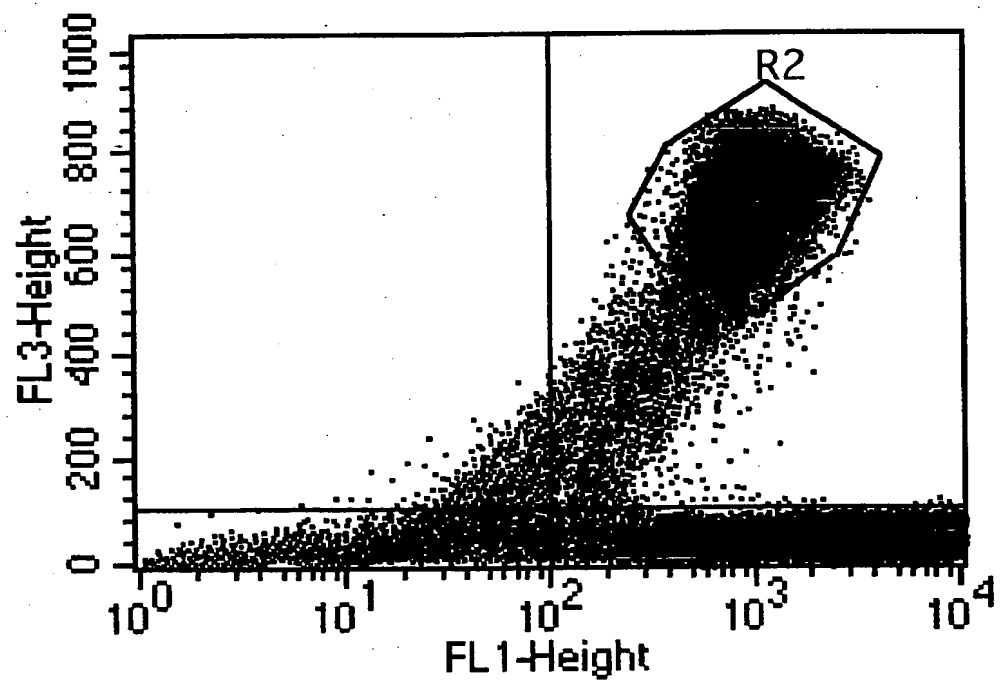


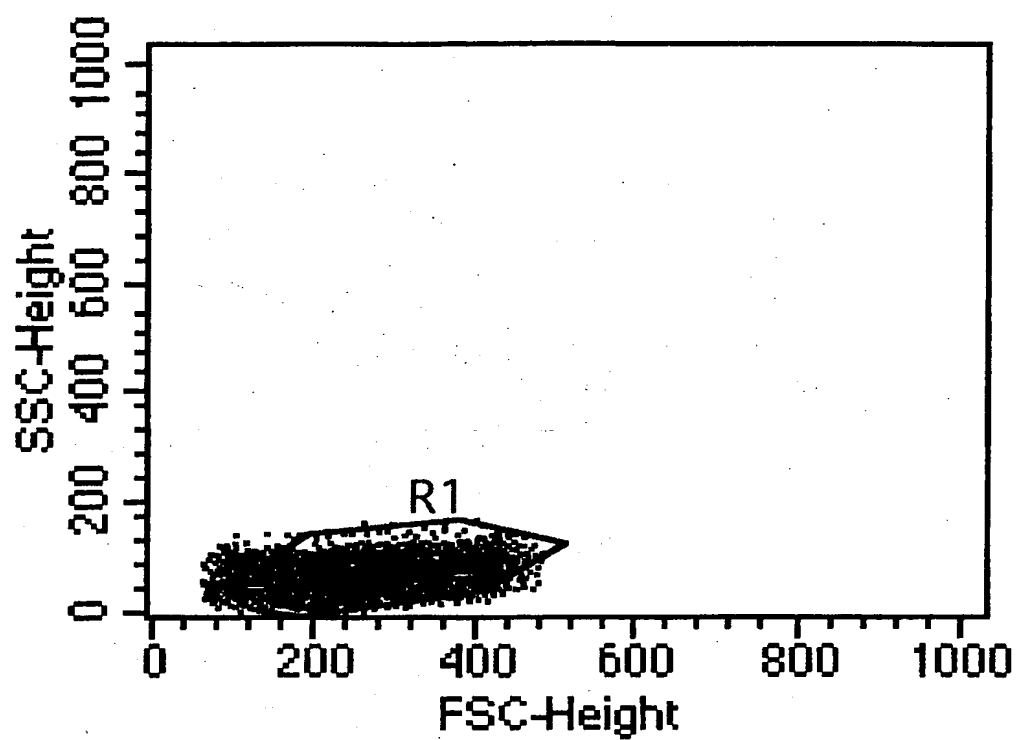
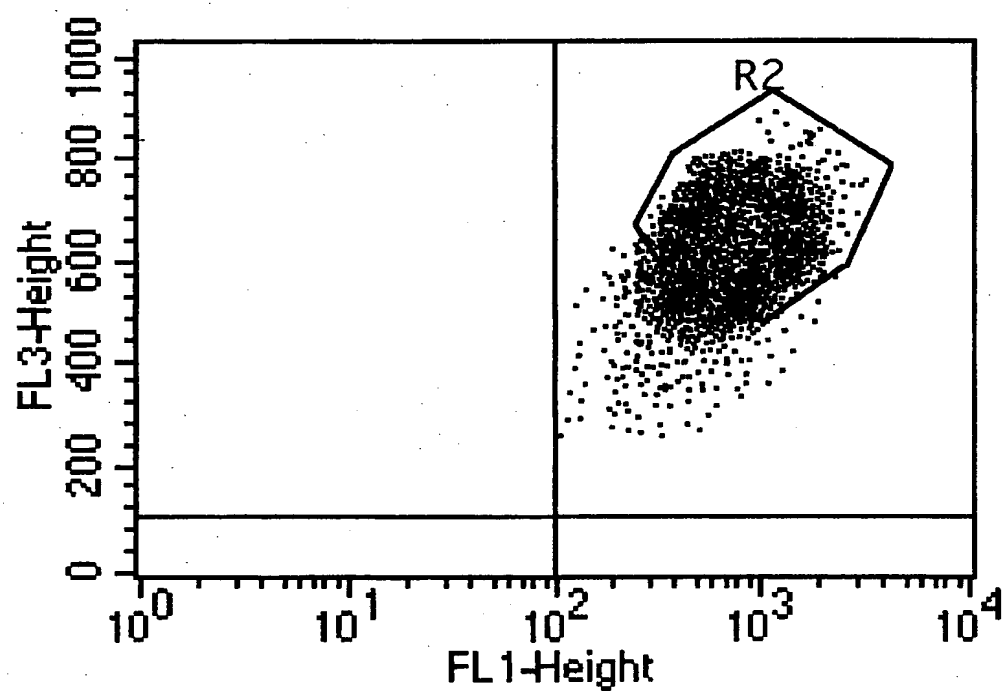
Fig.78**Fig.79**

Fig.80

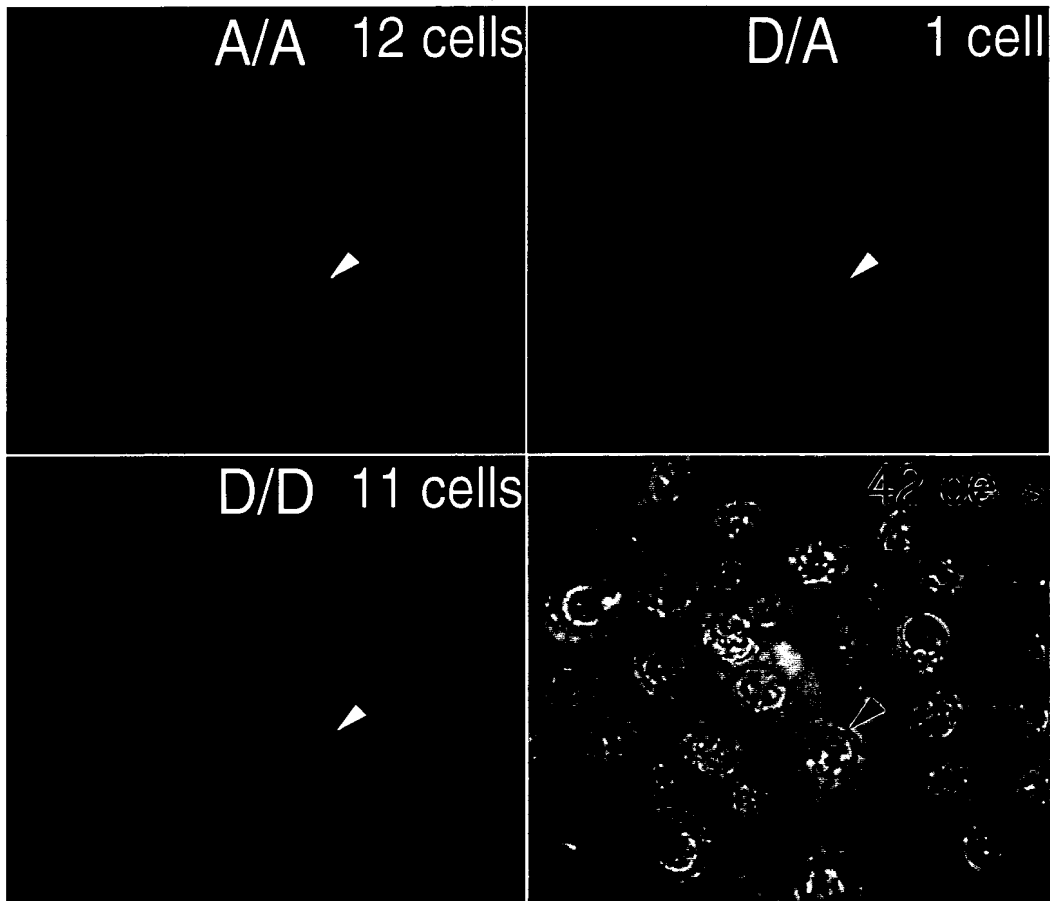


Fig.81

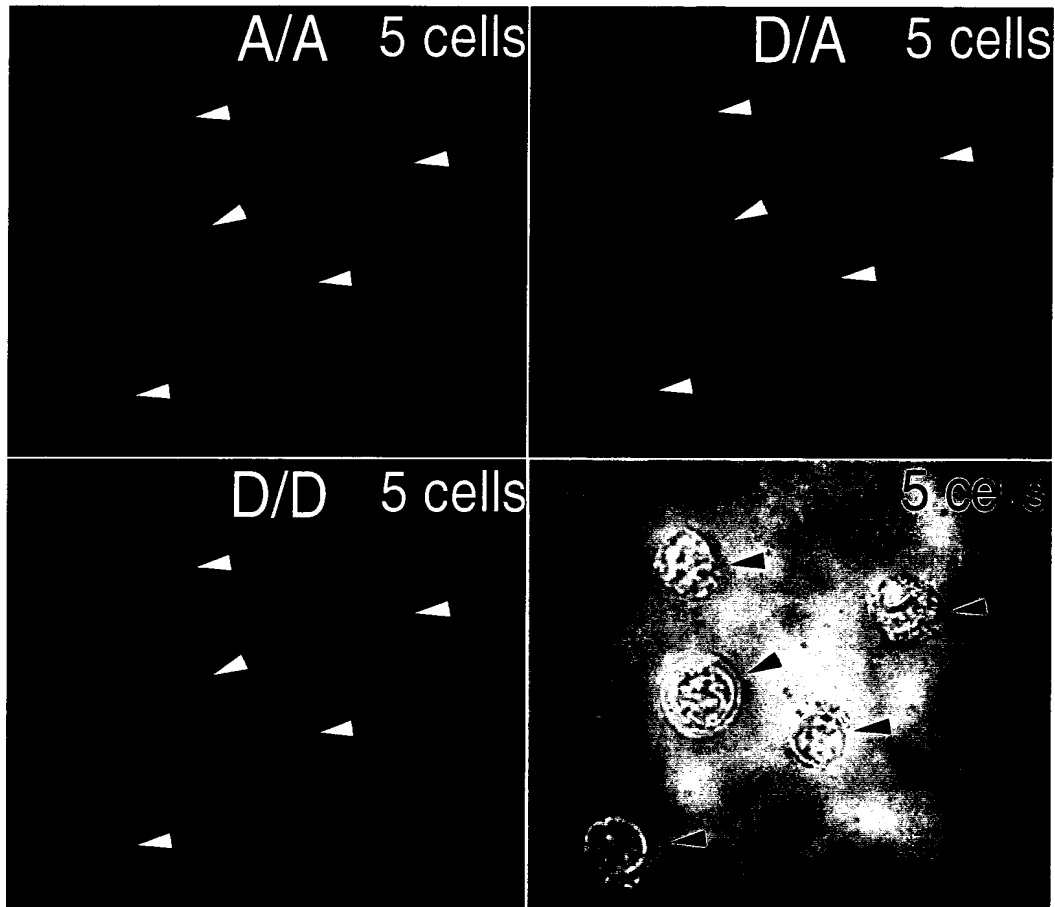


Fig.82

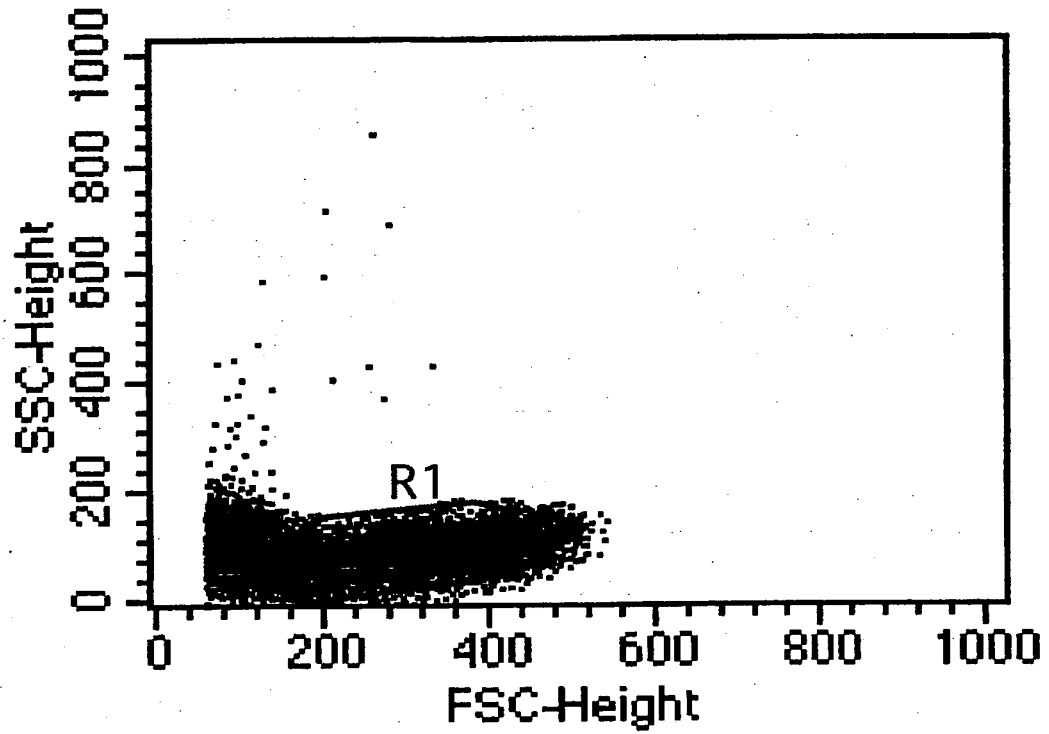


Fig.83

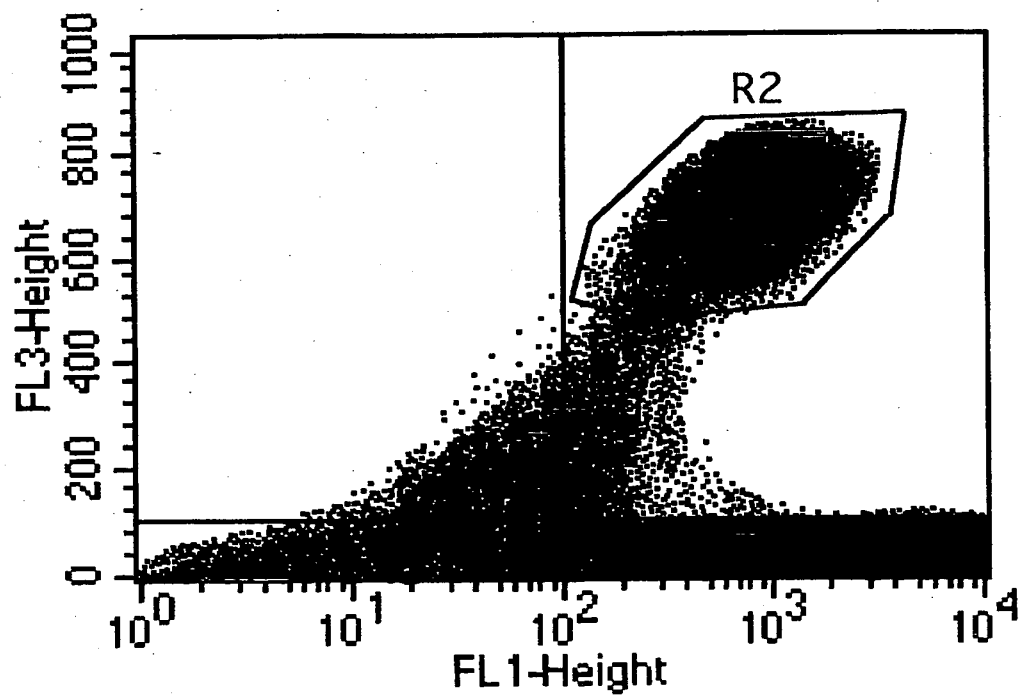


Fig.84

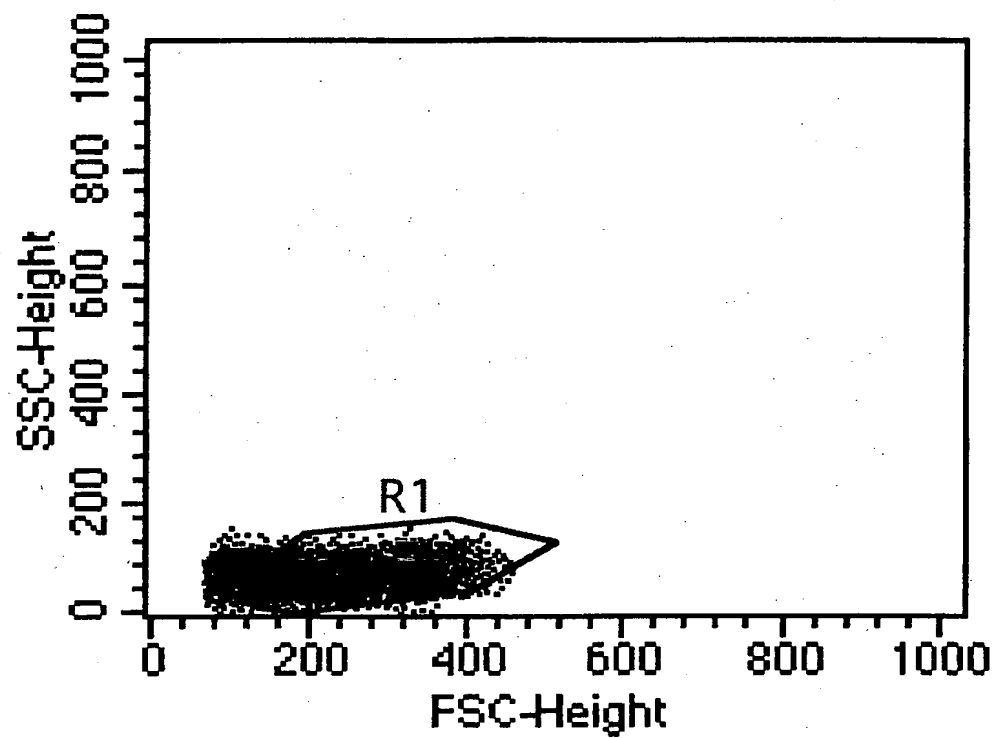


Fig.85

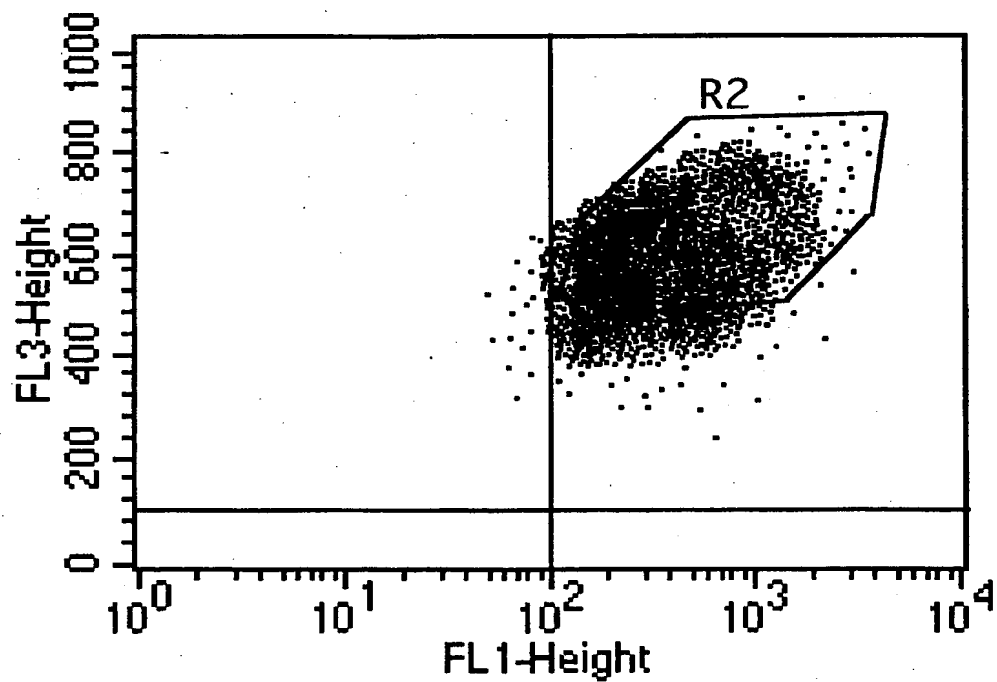


Fig.86

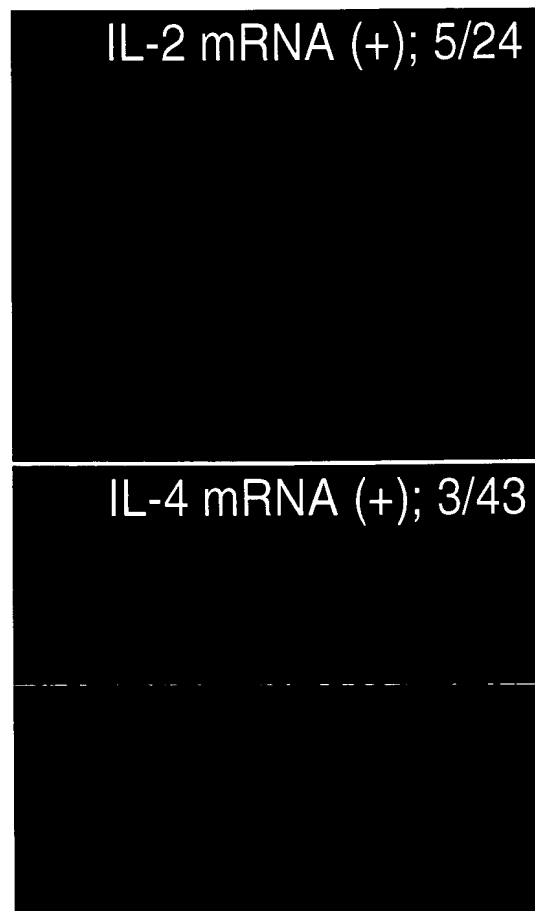


Fig.87

IL-2 mRNA (+); 11/11	γ -IF mRNA (+); 14/14	TNF- β mRNA (+); 11/11
IL-4 mRNA (+); 0/10	IL-5 mRNA (+); 0/11	IL-10 mRNA (+); 0/9

Fig.88

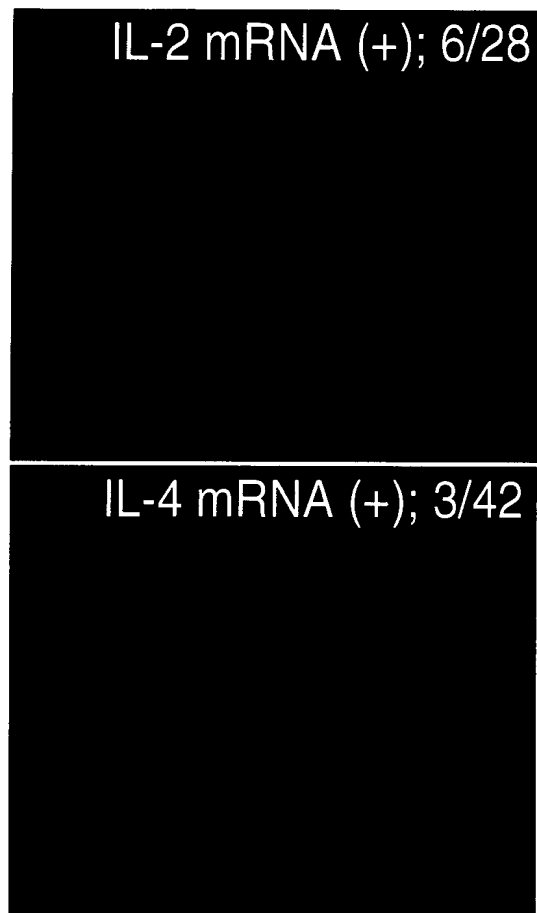


Fig.89

IL-2 mRNA (+); 0/11	γ -IF mRNA (+); 0/11	TNF- β mRNA (+); 0/9
IL-4 mRNA (+); 12/12	IL-5 mRNA (+); 11/11	IL-10 mRNA (+); 11/11

Fig.90

IL-2 mRNA (+); 2/28	IL-2 mRNA (+); 3/35
IL-4 mRNA (+); 8/41	IL-4 mRNA (+); 9/42

Fig.91

IL-2 mRNA (+); 10/10	γ -IF mRNA (+); 9/9	TNF- β mRNA (+); 9/9
IL-4 mRNA (+); 0/9	IL-5 mRNA (+); 0/8	IL-10 mRNA (+); 0/9

Fig.92

IL-2 mRNA (+); 9/24	IL-2 mRNA (+); 11/29
IL-4 mRNA (+); 1/41	IL-4 mRNA (+); 1/48

Fig.93

IL-2 mRNA (+); 0/7	γ -IF mRNA (+); 0/8	TNF- β mRNA (+); 0/8
IL-4 mRNA (+); 9/9	IL-5 mRNA (+); 10/10	IL-10 mRNA (+); 9/9

Fig.94